



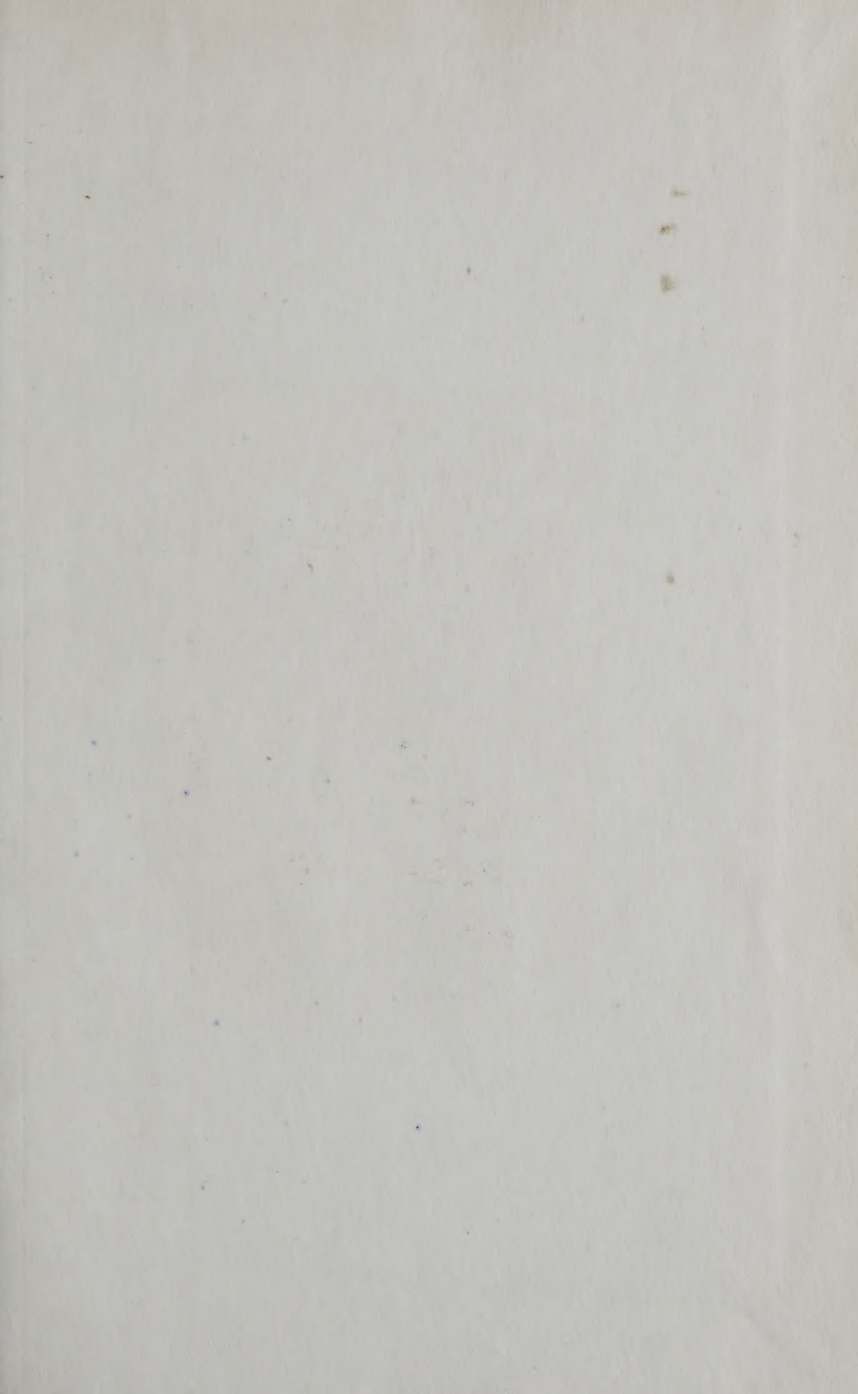
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Pomona College Bulletin

ANNUAL CATALOG

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April, 1939

CLAREMONT · CALIFORNIA

Published by the College

1940

JANUARY							JULY							JANUARY							JULY											
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Annual Catalog
1939-1940

Claremont, California

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CORRESPONDENCE

Correspondence should be addressed as follows, the postoffice address being in every case Pomona College, Claremont, California:

Requests for catalogs, bulletins and general information, also inquiries regarding Public Events and Lectures - - -

- - - - - SECRETARY OF THE FACULTY

Admission of Students - - - - OFFICE OF ADMISSIONS

Business Affairs - - - - - CONTROLLER

Student Affairs - - - - DEAN OF THE COLLEGE
and DEAN OF WOMEN

Alumni Affairs - SECRETARY OF THE ALUMNI ASSOCIATION

POMONA COLLEGE BULLETIN

PUBLISHED MONTHLY, EXCEPT JULY AND AUGUST,

BY POMONA COLLEGE

Entered as second-class matter August 24, 1912, at the Postoffice at Claremont, California, under the act of August 24, 1912.

Vol. XXXVI

APRIL, 1939

No. 8

HOSPITALITY

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by the institution. Parents and friends are invited to use the facilities of the Inn for longer or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses in part the friendliness of the colleges and the community.

COLLEGE CALENDAR

1939

September	18, <i>Monday</i>	Conference Day for all new students
September	19, <i>Tuesday</i>	Registration Day for all new students
September	20, <i>Wednesday</i>	Registration Day for returning students
September	21, <i>Thursday</i>	Registration Day for returning students
September	21, <i>Thursday</i>	Opening Convocation, 11:00 a. m.
September	21, <i>Thursday</i>	First Semester Classes begin, 1:15 p. m.
October	12, <i>Thursday</i>	Founders Day, Flame Ceremony, 11:00 a. m.
November	29, <i>Wednesday</i>	Thanksgiving Recess begins, 6:00 p. m.
December	4, <i>Monday</i>	Thanksgiving Recess ends, 8:00 a. m.
December	14, <i>Thursday</i>	Christmas Music, 7:00 p. m.
December	16, <i>Saturday</i>	Christmas Recess begins, 12:00 noon

1940

January	3, <i>Wednesday</i>	Christmas Recess ends, 8:00 a. m.
January	24, <i>Wednesday</i>	Examinations Begin
February	3, <i>Saturday</i>	First Semester Ends
February	5, <i>Monday</i>	Registration Day for Freshmen, Sophomores and Specials
February	6, <i>Tuesday</i>	Registration Day for Juniors and Seniors
February	7, <i>Wednesday</i>	Second Semester Classes begin, 8:00 a. m.
February	8, <i>Thursday</i>	Opening Convocation of Second Semester, 11:00 a. m.
February	24, <i>Saturday</i>	Matriculation and Parents' Day Convocation, 11:00 a. m.
April	5, <i>Friday</i>	Spring Recess begins, 6:00 p. m.
April	15, <i>Monday</i>	Spring Recess ends, 8:00 a. m.
May	31, <i>Friday</i>	Memorial Convocation
June	4, <i>Tuesday</i>	Examinations begin
June	17, <i>Monday</i>	Commencement

SUMMER VACATION

September	16, <i>Monday</i>	} Registration Days
September	17, <i>Tuesday</i>	
September	18, <i>Wednesday</i>	
September	19, <i>Thursday</i>	Convocation, 11:00 a. m.

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BOARD OF TRUSTEES

PAUL S. ARMSTRONG	Los Angeles
LLEWELLYN BIXBY	Long Beach
C. STANLEY CHAPMAN	Fullerton
ARTHUR M. DOLE	Pomona
GEORGE L. EASTMAN	Los Angeles
CHARLES K. EDMUNDS	Claremont
MARY CLARK EVERSOLE	La Canada
JAMES W. FIFIELD, JR.	Los Angeles
LUTHER FREEMAN	Pomona
EDWIN F. HAHN	Pasadena
EDWARD C. HARWOOD	Pasadena
FRANK H. HARWOOD	San Dimas
WILLIAM B. HIMROD	Los Angeles
ROBERT P. JENNINGS	Los Angeles
ERNEST E. JONES	Claremont
JAMES E. MACMURRAY	Pasadena
GEORGE W. MARSTON	San Diego
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SEELEY G. MUDD	Pasadena
MARY MCLEAN OLNEY	Berkeley
CARL S. PATTON	Berkeley
WILLIAM RAYMOND	Los Angeles
RALPH J. REED	Los Angeles
DELL A. SCHWEITZER	Los Angeles
JAMES E. SHELTON	Los Angeles
GEORGE S. SUMNER	Claremont
ELIZABETH C. TREANOR	Los Angeles
RUDOLPH J. WIG	Pasadena
FREDERICK W. WILLIAMSON	Los Angeles

HONORARY MEMBERS

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SUSANNA BIXBY BRYANT	Pasadena
THEODORE C. HUNT	Canoga Park
WILLIAM S. MASON	Pasadena
W. R. H. WELDON	South Pasadena
BUTLER A. WOODFORD	Claremont

The President of Claremont Colleges, *ex-officio*
The President of the Alumni Association, *ex-officio*

OFFICERS

GEORGE W. MARSTON	<i>Honorary President</i>
FRANK H. HARWOOD	<i>President</i>
DELL A. SCHWEITZER	<i>Vice-President</i>
RUDOLPH J. WIG	<i>Vice-President</i>
ERNEST E. JONES	<i>Secretary and Treasurer</i>

OFFICERS OF ADMINISTRATION

CHARLES K. EDMUNDS, <i>President</i>	209 Sumner Hall
GEORGE S. SUMNER, <i>Controller</i>	Harper Hall
WILLIAM E. NICHOLL, <i>Dean of the College</i>	101 Sumner Hall
JESSIE E. GIBSON, <i>Dean of Women</i>	112 Sumner Hall
GEORGE S. BURGESS, <i>Secretary of the Faculty</i>	201 Sumner Hall
CONSTANCE H. WOOD, <i>Recorder</i>	106 Sumner Hall
HOWARD H. PATTEE, <i>Counsellor on School Relations</i>	104 Sumner Hall
RALPH H. PARKER, <i>Librarian</i>	Library
JOSEPH F. GRIGGS, JR., <i>College Physician</i>	Dispensary
ALLEN F. HAWLEY, <i>Director of Public Relations</i>	203 Sumner Hall
MARGARET MAPLE, <i>Alumni Secretary</i>	202 Sumner Hall
PAUL F. MCKENZIE, <i>Editor of News Service</i>	217 Sumner Hall

FACULTY¹

CHARLES KEYSER EDMUNDS

345 College Ave.

President, 1928.

B.A., Ph.D., Johns Hopkins University; LL.D., Occidental College.

EDWIN CLARENCE NORTON

145 W. Seventh St.

Dean of the Faculty and Professor of the Greek Language and Literature on the Edwin Clarence Norton Foundation, 1888. Emeritus.

FRANK PARKHURST BRACKETT

270 E. Third St.

Professor of Astronomy on the Frank Parkhurst Brackett Foundation and Director of the Observatory, 1888. Emeritus.

GRACE ELLA BERRY

353 W. Eleventh St.

Dean of Women, and Associate Professor of Mathematics, 1909. Emeritus.

RAYMOND CUMMINGS BROOKS

5353 W. 3rd St., Los Angeles

Professor of Religion on the Nancy M. Lyon Foundation, 1921. Emeritus.

WILLIAM POLK RUSSELL

506 E. Sixth St.

Professor of Mathematics on the Joseph W. Fiske Foundation, 1904. Emeritus.

BRUCE McCULLEY

210 E. Foothill Blvd.

Professor of English Literature, 1921. Emeritus.

MENDAL GARBUTT FRAMPTON

927 Harvard Ave.

Professor of the English Language, 1904.

B.A., M.A., D.Litt., Illinois College; M.A., Harvard University.

WILLIAM ATWOOD HILTON

1293 Dartmouth Ave.

Professor of Zoology on the Willard George Halstead Foundation, 1905.

B.S., Cornell University; Ph.D., Cornell University.

BERNARD CAPEN EWER

706 Indian Hill Blvd.

Professor of Psychology, 1916.

B.A., Brown University; M.A., Brown University; Ph.D., Harvard University.

¹Active Faculty arranged in order of appointment to present rank. The date in each case denotes the beginning of original term of service.

- RALPH HAINE LYMAN 357 W. Tenth St.
Professor of Applied Music, Head of Department of Music, 1917.
B.A., Grinnell College. Student in voice with Karleton Hackett, William B. Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Cowper and other American masters and with Vittorino Moratti in Berlin.
- MARO BEATH JONES 807 College Ave.
Professor of French Literature and Instructor in Italian, 1911.
B.A., Boston University; M.A., Boston University. Graduate Student, Universities of Chicago, Geneva and Barcelona.
- WILLIAM EVAN NICHOLL Eli P. Clark Hall
Dean of the College, 1919.
B.A., Bellevue College; M.A., Columbia University. Graduate Student, Edinburgh University.
- HOMER ELMER ROBBINS 487 Harrison Ave.
Professor of Classical History and Language, 1915.
B.A., M.A., Ph.D., University of Michigan.
- WILLIAM KIRK 705 Indian Hill Blvd.
Professor of Sociology on the Henry Snyder Foundation, 1922.
B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.
- GEORGE SAMUEL BURGESS¹ 1175 College Ave.
Professor of Law and Secretary of the Faculty, 1918.
B.A., University of Michigan; J.D., University of Michigan.
- EUGENE WHITE NIXON 1034 Harvard Ave.
Professor of Physical Education for Men, 1916.
B.A., Monmouth College; M.A., Columbia University. Graduate Student, Illinois and California Universities.
- FRANK WESLEY PITMAN 116 E. Twelfth St.
Professor of History on the Warren Finney Day Memorial Foundation, 1924.
Ph.B., Yale University; M.A., Yale University; Ph.D., Yale University.
- ROLAND RAY TILESTON¹ 1129 Dartmouth Ave.
Professor of Physics on the Seeley W. Mudd Foundation, 1925.
B.A., Dartmouth College; M.A., Dartmouth College; D.Sc., Colorado College.

¹Absent on leave, first semester, 1939-40.

CHARLES TABOR FITTS

826 Harvard Ave.

Professor of Education, 1919.

B.A., Amherst College; M.A., University of California. Graduate Student, Harvard University.

PHILIP ALEXANDER MUNZ

1165 Indian Hill Blvd.

Professor of Botany on the Henry Kirke White Bent Foundation, 1917.

B.A., M.A., University of Denver; Ph.D., Cornell University. Graduate Student, University of Chicago.

KENNETH DUNCAN¹

1100 Harvard Ave.

Professor of Economics on the Stedman-Sumner Foundation, 1926.

B.A., Wabash College; M.A., University of Wisconsin; Ph.D., University of Michigan.

ALFRED OSWALD WOODFORD

443 W. Tenth St.

Professor of Geology, 1915.

B.A., Pomona College; Ph.D., University of California.

JESSIE EDITH GIBSON

405 Yale Ave.

Dean of Women on the Martha N. Hathaway Foundation, 1927.

B.A., University of Idaho; M.A., University of Washington. Graduate Student, California and Columbia Universities.

CHARLES JUDSON ROBINSON

809 Indian Hill Blvd.

Professor of Chemistry on the Carnegie Foundation, 1927.

B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University.

EDWARD TAYLOR

1022 Harvard Ave.

Professor of Engineering Mathematics, 1920.

C.E., University of Minnesota; M.A., University of Southern California. Graduate Student, University of Oregon.

EDWARD MCCHESENEY SAIT

238 E. Seventh St.

Professor of Government, 1928.

B.A., Toronto University; M.A., Toronto University; Ph.D., Columbia University.

CHESTER GEORGE JAEGER

1045 Yale Ave.

Professor of Mathematics, 1931.

B.A., B.S., M.A., Ph.D., University of Missouri.

¹Absent on leave, second semester, 1939-40.

ROBERT SIDNEY ELLIS 1120 Harvard Ave.
Professor of Psychology, 1931.
 B.A., University of Arkansas; Ph.D., Clark University.

WALTER ALFRED ALLEN¹
Professor of Musical Theory and Appreciation, 1912.
 B.A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.

EVERETT SAMUEL OLIVE University Club, 8th and Amherst
Professor of Piano, 1923.
 B.Mus., Simpson College. Graduate Student, Simpson College. Pupil of Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.

JOSEPH WADDELL CLOKEY Via Los Altos
Professor of Organ, 1926.
 B.A., Litt.D., Miami University. Graduate, Cincinnati Conservatory of Music.

HOWARD HUNT PATTEE 188 West 7th St.
Counsellor on School Relations, 1932.
 B.A., Pomona College; M.A., Stanford University; Graduate Student, Columbia University.

JAMES WHITE CROWELL 465 Harrison Ave.
Professor of Romance Languages, 1929.
 B.S., Haverford College; M.A., Haverford College; Ph.D., Cornell University.

CHARLES P. STIVERS 505 West 12th St.
Professor of Military Science and Tactics, 1936.
 B.S., University of Wisconsin; Graduate, Advanced Course, Infantry School; Graduate, Command and General Staff School; Graduate, Army War College. Lieutenant Colonel, Infantry, U. S. Army.

ELIZABETH KELLEY Maryland Ave.
Professor of Physical Education for Women, 1928.
 B.A., University of Wisconsin; M.A., New York University. Graduate Student, Stanford University.

RAY ERWIN BABER
Professor of Sociology, 1939.
 B.A., Campbell College; M.A., Ph.D., University of Wisconsin.

ELLIOTT CURTIS LINCOLN 472 W. Tenth St.
Associate Professor of English Literature, 1924.
 B.A., Colby College; M.A., State College of Washington and Harvard University.

¹Absent on leave, 1939-40.

- BENJAMIN DAVID SCOTT** 828 College Ave.
Associate Professor of Public Address, 1923.
 B.A., University of Southern California; S.T.B. Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard Universities.
- WALTER TICKNOR WHITNEY** 445 W. Tenth St.
Associate Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.
 B.S., M.S., Pomona College; Ph.D., University of Chicago.
- BERNARD EUGENE MELAND** 1111 Harvard Ave.
Associate Professor of Religion, 1936.
 B.A., Park College; Ph.D., University of Chicago. Graduate Student, McCormick Theological Seminary, Marburg University.
- THOMAS MONTAGUE BEGGS** 424 W. Tenth St.
Associate Professor of Art, 1926.
 B.F.A., Yale University. Graduate, General Art Course at Pratt Institute.
- CARL BAUMANN** 459 West 11th St.
Associate Professor of German, 1931.
 Ph.D., University of Basel.
- RALPH HALSTEAD PARKER** 262 West 6th St.
Librarian, 1937.
 B.A., M.A., Ph.D., University of Texas.
- FRANCIS RAYMOND IREDELL** 1060 College Ave.
Associate Professor of Philosophy, 1925.
 B.A., Pomona College; M.A., Ph.D., Harvard University.
- HAROLD DAVIS** 612 West 10th St.
Associate Professor of English, 1927.
 B.A., Stanford University; B.A. and B.Litt., Oxford University.
- ERNEST ALBERT STRATHMANN**¹
Associate Professor of English, 1932.
 B.A., M.A., Ph.D., Johns Hopkins University
- NORMAN THEODORE NESS** 529 Indian Hill Blvd.
Associate Professor of Economics, 1928.
 B.A., Carleton College; M.A., University of California; Ph.D., Harvard University.
- COLVIN HEATH** 270 W. 12th St.
Assistant Professor of Physical Education for Men, 1922.
 B.A., Pomona College; M.A., Stanford University.

¹Absent on leave, 1939-40.

ROBERT LOBINGIER STREHLE 1019 Dartmouth Ave.
Assistant Professor of Physical Education for Men, 1923.
 B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, University of Southern California, University of California, Stanford University.

ROSA FRIEDA BISSIRI
Assistant Professor of French, 1920.
 B.A., Kreuzlingen College, Switzerland.

MARGARET HUSSON¹ Maryland Ave.
Assistant Professor of Spanish, 1925.
 B.A., University of Kansas; M.A., Columbia University. Graduate study, centro de Estudios Históricos, Madrid.

EMILIE ELIZABETH WAGNER 428 W. Tenth St.
Assistant Professor of German, 1928.
 B.A., Smith College; M.A., Pennsylvania State College. Doctorat de l'Université, mention Lettres, Toulouse.

MARION JEANETTE EWING
Assistant Librarian, 1912.
 B.A., Olivet College; B.S., Simmons College; M.A., Boston University.

CURTIS HAUPT 451 West 7th St.
Assistant Professor of Physics, 1930.
 B.A., Colorado College; M.A., University of California. Ph.D., University of California.

ADA COOPER CAWSEY 1167 S. San Antonio, Pomona
Assistant Professor of Physical Education for Women, 1930.
 B.S., University of Wisconsin. Graduate Student, Universities Wisconsin and Southern California.

FRANK E. BARBER 430 West 12th St.
Assistant Professor of Military Science and Tactics, 1937.
 Graduate, Infantry School. Major, U. S. Army.

KENNETH G. FISKE 905 Harvard Ave.
Assistant Professor of Violin, 1936.
 B.Mus., M.Mus., American Conservatory of Music.

JOHN HOWES GLEASON
Assistant Professor of History, 1939.
 B.A., Ph.D., Harvard University; B.Litt., Oxford University.

¹Absent on leave, second semester, 1939-40.

- CHARLES BURTON FAHS 150 West 8th St.
Assistant Professor of Oriental Affairs, 1936.
 B.S., M.A., Ph.D., Northwestern University; Graduate Student, University of Berlin. Fellow of General Education Board in Paris and Japan.
- EARL JAY MERRITT Eli P. Clark Hall
Social Director of Men's Campus, Freshman Adviser, and Instructor in Physical Education, 1925.
 B.A., Pomona College.
- MARY C. LOVE 466 W. Sixth St.
Head of Library Loan Department, 1929.
 B.A., M.A., Stanford University.
- VIRGINIA PRINCEHOUSE ALLEN¹
Instructor in Dramatics, 1930.
 B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.
- LUCILLE STEVENSON 429 Baughman Ave.
Instructor in Voice, 1931.
 Student of Charles W. Clark, Alice Prince Miller and Rita Bastiannini.
- ESTHER GOSS BRISTOL 470 West 11th St.
Instructor in Physical Education for Women, 1935.
 B.A., Pomona College; M.A., Columbia University.
- ELIZABETH CAWTHORNE 405 Alexander Ave.
Instructor in Physical Education for Women, 1935.
 B.A., M.A., University of California.
- CYRIL JURECKA 163 W. 11th St.
Instructor in Art, 1932.
 Graduate, Imperial and Royal College of Sculpture, Horice, Bohemia.
- CONSTANCE HASTINGS WOOD 353 West 11th St.
Recorder, 1936.
 B.A., Smith College.
- WILLIAM G. BLANCHARD 140 West 8th St.
Instructor in Music, 1936.
 B.Mus., DePauw University; M.Mus., University of Michigan.

¹Absent on leave, 1939-40.

- JOHN HASKELL KEMBLE Eli P. Clark Hall
Instructor in History, 1936.
B.A., Stanford University; M.A., Ph.D., University of California.
- HUGH J. HAMILTON 431 West 7th St.
Instructor in Mathematics, 1936.
B.A., University of California at Los Angeles; M.A., Ph.D., Brown University.
- DORIS CLAYTON DART 143 East 10th St.
Instructor in Biology, 1936.
B.A., San Diego State College; M.A., Claremont Colleges; Graduate Student Stanford University.
- GERALDINE WOMACK 324 Yale Ave.
Instructor in English, 1937.
B.A., Pomona College; Graduate Student, University of London.
- GEORGE N. TYSON 329 West 7th St.
Instructor in Chemistry, 1938.
B.A., Pomona College; Graduate Student, Claremont Colleges and Universities of California and Southern California.
- FLORENCE JEANNETTE YOUNGBERG 143 East 10th St.
Instructor in Botany, 1938.
B.A., San Diego State College; M.A., Claremont Colleges. Graduate Student, Stanford University.
- NORMAN ELLIOTT 337 Harvard Ave.
Instructor in Chemistry, 1938.
B.A., M.A., Oberlin College; Graduate Student, California Institute of Technology.
- DARYL DAYTON 519 Yale Ave.
Instructor in Piano, 1938.
B. Mus., Oberlin College.
- NORMAN PHILBRICK Eli P. Clark Hall
Instructor in English, 1938.
B.A., Pomona College; Graduate Student, Yale University and Pasadena Community Playhouse.
- WILLIAM THOMAS JONES 740 Harvard Ave.
Instructor in Philosophy, 1938.
B.A., Swarthmore College; B. Litt., Oxford University; Ph.D., Princeton University.

MURRAY DELMAR KIRKWOOD

Instructor in Government, 1939.

B.A., Pomona College and Oxford University; M.A., Fletcher School of Law and Diplomacy, and Harvard University.

JOSEPH WARNER ANGELL

Instructor in English, 1939.

B.A., College of Wooster; M.A., University of Oregon; Graduate Student, Yale University.

MERVIN SHIRLEY SNIDER

Instructor in Music, 1939.

B.A., Pomona College; Graduate Student, Eastman School of Music.

DEPARTMENTAL LECTURERS

IN ANTHROPOLOGY

MORRIS EDWARD OPLER

Assistant Professor of Anthropology, Claremont Colleges.

B.A., M.A., University of Buffalo; Ph.D., University of Chicago.

IN ECONOMICS

ARTHUR GARDINER COONS

Professor of Economics, Claremont Colleges.

B.A., Occidental College; M.A., Ph.D., University of Pennsylvania.

JOSHUA C. HUBBARD

Lecturer in Economics

B.A., M.A., Ph.D., Harvard University

IN PSYCHOLOGY

FRANCIS THEODORE PERKINS

Assistant Professor of Psychology, Claremont Colleges.

B.A., Ph.D., University of Kansas.

IN HISTORY

EVERETT DEAN MARTIN

Professor of Social Philosophy, Claremont Colleges.

B.A., Litt.D., Illinois College.

FACULTY COMMITTEES

1939-1940

ADMINISTRATION—McCulley, Munz, Tileston, Iredell, Nixon.

ADMISSION—Nicholl, Gibson, Pattee, Ellis, Taylor, Robbins.

ATHLETIC COUNCIL—Woodford, Nicholl, Nixon, three student representatives, and two Alumni representatives.

CLASSIFICATION—Nicholl, Whitney, Pattee, Wood, Taylor.

COLLEGE LIFE—Nicholl, Gibson, Jaeger, Merritt, Kelley, Tyson, President Associated Students, and President Associated Women Students consultant members on call.

COURSES OF STUDY—Munz, Burgess, Fitts, Baumann, W. T. Jones.

ENGLISH—Scott, Hamilton, Wagner.

HEALTH—Robinson, Nicholl, Gibson, Strehle, Kelley, A.W.S. and A.M.S. Presidents, consulting members on call.

HONORS—Davis, Robbins, Robinson, Kemble.

LIBRARY — Crowell, Parker, Ewing, Hilton, Baumann, Pitman, Duncan.

PERSONNEL—Gibson, Nicholl, Pattee, Merritt, Wood, Ellis, Fitts, Bristol, Dart, Ness.

PUBLIC EVENTS—Nicholl, Burgess, Lyman.

RELIGIOUS ACTIVITIES—Meland, Nicholl, Cawsey, Scott, Clokey, Ness, and two student representatives.

SCHOLARSHIPS—Iredell, Gibson, Nicholl, Jaeger, Kemble.

STUDENT AID—Nicholl, Gibson, Pattee, Merritt, Kirk.

GENERAL INFORMATION

EARLY DAYS

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California.

ORIGINAL TRUSTEES

Henry Kirke White Bent	Pasadena
Nathan W. Blanchard	Santa Paula
Anson Brunson	Los Angeles
Elwood Cooper	Santa Barbara
James T. Ford	San Bernardino
James H. Harwood	San Diego
David D. Hill	Pasadena
Theodore C. Hunt	Riverside
George W. Marston	San Diego
John K. McLean	Oakland
Henry A. Palmer	Oakland
Seth Richards	Boston, Mass.
Charles B. Sheldon	Pomona
Charles B. Sumner	Pomona
Andrew J. Wells	Long Beach

Of this group, Mr. George W. Marston is still a member of the Board. He served as its President for twenty-seven years, and is now Honorary President.

The College was incorporated October 14, 1887. The work of instruction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the College. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrolment has been held at approximately 750 divided equally between men and women and among the four classes.

A NEW DEPARTURE

The imperative demand for expansion led to the adoption under the inspiring leadership of President James A. Blaisdell, of the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps, whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

Claremont Colleges, with its own trustees known as "The Board of Fellows," some of whom are also trustees of Pomona or of Scripps, constitutes a central group, focusing a mutual effort, set to return to each member of that group a stimulating and supplementing influence. Through the bequest of the late Seeley W. Mudd, first chairman of its Board of Fellows, and erstwhile a trustee of Pomona College, Claremont Colleges received a fund of one million dollars for the establishment of its work.

These three institutions, Pomona, Scripps and Claremont, are independent, but cooperate in maintaining certain mutual activities and facilities. Pomona and Scripps exchange upper division classroom privileges, thus enlarging the opportunity of the more advanced students for a choice of instructors and subject matter. The Graduate School, the central library, the summer session, and in part the sponsoring of research work are carried on as common enterprises of the three institutions under the administration of Claremont Colleges. The buildings and facilities of Claremont Colleges and the laboratories of Pomona College are for the use of all.

Claremont Colleges undertakes also in behalf of the group the administration of the health service, which includes the full time of a physician and the operation of a thoroughly up-to-date

infirmary, the responsibility for an auditorium seating 2600 and for the music and lecture courses presented in it each year, the development of a central heating plant, the purchasing and cataloging of books for all three libraries, and the conduct of a common business office, each institution sharing proportionately in the cost of these common services. An "Intercollegiate Council" serves as a co-ordinating agency for matters of mutual concern.

POMONA'S IDEAL

A vital feature of the Claremont plan is the enhancement of scholarly life among undergraduates. Pomona represents the effort to maintain in an exceptionally favorable environment a small independent residence college where the inestimable advantages of intimacy are secured, but where the advantages of ample facilities and intense competition are also secured by its association with these other colleges situated in close proximity to it, and where the selective process assures, as nearly as possible, a company of students who will really profit by college experience.

From the very beginning Pomona College has maintained a reputation for interest in thorough scholarship rather than in large numbers. Membership in the institution itself is regarded as a scholastic honor. Since September 1924 Pomona has maintained an honors type of instruction which gives special consideration to students of recognized ability for independent study. In a word, Pomona College, in the midst of a very rapidly developing region of Southern California, is endeavoring to maintain the values of a broad cultural preparation for life.

SOCIAL TRAINING AN ESSENTIAL PART OF EDUCATION

In seeking to achieve this purpose Pomona is making use of living conditions, dormitories, dining halls, social intercourse, to an extent and in a way not yet adequately developed in our American colleges generally, as a fundamentally important part of the undertaking.

Dining together in finely appointed college halls induces social amenities not acquired otherwise. Exchange dinners between the women's campus and the men's campus afford opportunities for

social intercourse and entertainment at no extra expense. The fraternities have their special rooms within the dormitories in close association with the rooms assigned to the members of the several groups.

Pomona's co-educational character greatly increases the culture of its student body. Working together on social as well as scholastic problems, men and women students associate in mutual respect and dignity. The graduates of this college testify that these relations add to the genuine wholesomeness and rounded worth of the student's life. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it feels obligated to promote the consideration of those age long spiritual aspirations and interpretations which constitute religion and to urge each student to correlate correctly these factors with the discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of his education, to seek an interpretation of his own guided by a critical study of those arrived at by others. It thus seeks to develop future leaders of intellectual capacity and altruistic purpose.

While originally Congregational in organization, the College long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, though nonsectarian.

BUILDINGS AND EQUIPMENT

In addition to the grounds and buildings administered by Claremont Colleges in behalf of both Pomona College and Scripps College, Pomona College itself occupies about one hundred and twenty acres, of which sixty are included in Blanchard Park, about ten in Alumni Athletic Field, and fifty in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from the central heating plant operated by Claremont Colleges.

The Mary L. Sumner Hall, named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodeled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Monson, Massachusetts, reconstructed in 1916 in conformity with more modern plans for buildings and campus, is devoted mainly to chapel and recitation rooms, departmental offices and the offices of the Associated Students.

The Business Office of Pomona College is maintained in Harper Hall, administered by Claremont Colleges.

The Library, the gift of Mr. Andrew Carnegie, is an imposing structure, well adapted to the purposes for which it was built.

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some 105 students besides the House Master and one or more instructors; two additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George W. Marston in memory of Rev. Lucien H. Frary, a Trustee from 1892 to 1903. Besides the Great Hall which will seat 450, there are three smaller dining rooms for special uses.

Harwood Court, a modern dormitory which includes Strong Hall, accommodates 180 women. Florence Carrier Blaisdell Hall, named in honor of Mrs. James A. Blaisdell, houses 80 women. The College also maintains several houses with similar accommodations. All women residents are served by the Aurelia Squier Harwood Memorial Dining Hall.

The Student Union, provided through the gifts of many parents supplemented by funds from the Associated Students and the bequest of the late Florence Riley, houses student offices, including publications, the graduate manager, and the Cooperative Store. It provides a social center for all students and an attractive and adequate ballroom so that off-campus dances are not necessary.

Rembrandt Hall is devoted to the Department of Art. The upper floor contains studio and work rooms; the lower floor two auditoriums of moderate size for exhibits and lectures.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges of San Diego, offers excellent facilities for the study of music.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2600 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, seats over 4000.

The Gymnasium, comprising two structures, affords equipment for indoor physical training supplementing the various playing fields for men and for women.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of these men, Sheldon Gerry, '17, supplemented by those of alumni, students and friends. Alongside the Training Quarters is a modern standard size swimming pool for men.

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, contains the laboratories and lecture rooms of the departments of physics and mathematics.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Bixby, '01, serves the Department of Astronomy.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

A replica of the original house in Pomona in which the College first opened in September, 1888, has been erected on the campus recently, through the generosity of an anonymous donor.

It contains the historical exhibit set up in recognition of the Fiftieth Anniversary, and will become ultimately a museum of Pomoniana.

The Marine Laboratory, located at Laguna Beach, has nine private rooms for special workers and two general laboratories, as well as storerooms, work rooms and aquarium room.

The Pomona College summer camp at Bluff Lake in the San Bernardino Mountains consists of five cabins, located on the tract of 120 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great and unspoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in their service.

THE LIBRARY

An adequate library of 91,100 well selected volumes and 96,600 pamphlets is available for student use. Most of the pamphlets are unbound government documents, equivalent to about 9,000 volumes if bound. The library receives subscriptions to 800 periodicals and maintains bound files of approximately 500, many of which are complete. Especially valuable are the periodical holdings in the field of natural science. It is a depository for U. S. government Documents and the publications of the Carnegie Institution. The library with the exception of science department collections is housed in the Carnegie Library building constructed in 1908. Its reading rooms accommodate 165 readers. The following special collections are a part of the general library: the Cook-Baker Biological Library and the Parish Botany Library in Crookshank Hall; the Astronomical Library in the F. P. Brackett Observatory; the James A. Lyman Memorial Library of Chemistry and the Geology Library in Mason Hall; and the Physics Library in Pearsons Hall. Housed in the main building are the New England, the Mason California, and the Wagne North Pacific Libraries and the Westergaard and Carnegie Art Collections.

The library is open to the students and faculty of the Associated Colleges and to the residents of Claremont. Permission to

use the library by persons not connected with the colleges must be obtained from the librarian.

An experienced and efficient staff member is on duty to assist students at all hours which the library is open. Most of the books are on open shelves where students may consult them at all times. With the exception of reference books, periodicals, and rare volumes, books may be borrowed for two weeks. Certain books in great demand for class use are placed on reserve, subject to special circulation rules.

In addition to the facilities of Pomona College Library there are also available the libraries of Scripps College and of Claremont Colleges. The Scripps College Library of approximately 21,000 volumes is housed in the Ella Strong Denison Library. It contains in addition to its general collection the McPherson Collection of books about women, and the Stephenson Memorial Collection of American History. The library of Claremont Colleges, located in Harper Hall, contains approximately 31,000 volumes, including the Oriental Library and the George Burton Adams Collection of English History.

LECTURE FOUNDATIONS

THE JOSEPH H. JOHNSON FOUNDATION, liberally endowed by Miss Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence in Pomona College. The opportunity of intimate contact with distinguished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of the institution from which these educators come.

THE HENRY D. PORTER FOUNDATION, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, secures to the institution annually, the extended stay of some prominent worker in the field of Christian Missions. The lecturer upon this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the region from which he has come. This presentation is one of the most stimulating features in the program of the College.

THE CLARK FOUNDATION, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture or course of lectures in the general field of religion.

Music

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day, whose public appearance is usually confined to the larger cities, the College cooperates with Scripps College and Claremont Colleges in the introduction each year of a group of the most distinguished masters in the field of music. Among the artists recently presented have been: Jose Iturbi, Yehudi Menuhin, Kirsten Flagstad, Jan Kiepura, and the Los Angeles Philharmonic Orchestra.

For the concerts thus afforded an annual ticket is furnished to every full-time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Choir and the Men's and Women's Glee Clubs afford opportunity both for the exercise and for the appreciation of vocal talent.

PUBLIC ASSEMBLIES

It is the practice of the College to give opportunity for the consideration and expression of the common college interests.

On Thursday at 11 a.m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a.m. a brief devotional Chapel Service is held, attendance at which is voluntary.

A Vesper Service of special music is offered on Sunday from five to five-thirty. On one Sunday a month an evening preaching service is held under the auspices of a student-faculty committee.

It is hoped that students will associate themselves with the Claremont Church or others in neighboring communities, in connection with which many forms of religious activity are maintained.

CAMPUS ORGANIZATIONS

THE ASSOCIATED STUDENTS. This association attempts to co-ordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing group composed of class presidents and chairmen of other organizations representing various activities of campus interest.

ASSOCIATED MEN STUDENTS } These organizations consider
ASSOCIATED WOMEN STUDENTS }
 and promote the special interests of the men and women respectively.

STUDENT-FACULTY COUNCIL. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for further consideration and action.

CLASS ORGANIZATIONS. Each of the four college classes is organized for the purpose of promoting class social life.

DEPARTMENTAL ORGANIZATIONS. Astronomical Society; El Circulo Espanol; Le Cercle Francais; Mathematics Club; German Club; Women's Athletic Association; Science Club.

PHI BETA KAPPA. The Pomona Chapter of Phi Beta Kappa is the Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

HONOR SOCIETIES. Alpha Delta Mu,—Journalism Fraternity; Gamma Chapter, Alpha Kappa Delta,—Sociology Fraternity; Ghosts; Mortar Board.

LOCAL SOCIAL FRATERNITIES. Alpha Gamma Sigma; Kappa Delta; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Phi Alpha; Sigma Tau.

MUSICAL ORGANIZATIONS. Men's Glee Club; Women's Glee Club; Honorary Music Club; Symphony Orchestra.

RELIGIOUS ORGANIZATIONS. The Joint Student-Faculty-Alumni Research Council; The Student-Faculty Committee on Religious Activities.

MISCELLANEOUS ORGANIZATIONS. Kallimachos,—Library Club; Masquers and Thespians,—Dramatics; Orchesis,—Dancing; Camera Club; Ski Club.

PUBLICATIONS

The stated publications of the College are issued as number of the *Pomona College Bulletin*, which is published monthly (except July and August). These include: The *Annual Catalog*, The *Report of the President*, The *Register of Alumni*, The *New Letter*.

The *Journal of Entomology and Zoology* is published under the auspices of the Department of Zoology.

STUDENT PUBLICATIONS

The *Student Life* is published three times a week by the student body and is devoted to current affairs.

The *Metate* is published each year by the Associated Students and contains material appropriate to a college annual.

The *Sagehen*, a magazine of humor, is published three times a year.

The *Hand Book*, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College and the advantages of unusual attention and opportunity are offered. The climate of Southern California offers a year-around-out-of-door life the year round. Supervision is given to athletics in all seasons. A regular physician is on the staff of Claremont Colleges, under whose direction every student on entering has physical examination. Regular work in physical education is prescribed throughout the four years, and courses in Physiology and Hygiene are given.

The College endeavors to safeguard students in the use of physical facilities, laboratories, athletic fields, and gymnasium and to this end the departments have established regulations concerning the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk.

ATHLETICS. The direction and financial management of athletics rest with the Director of Athletics, who has associated with him as an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general manager there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed by the alumni into athletic grounds admirably equipped and unsurpassed in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, the courses of the Indian Hill Golf Club are available, and athletic exercises and field sports are encouraged.

A swimming pool, of the standard size for water polo, and fully equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

MEDICAL CARE

The medical advice of the College Physician is ordinarily available, free of charge, to all students, subject to certain conditions of hours and location of residence. Minor ailments are treated at the Physician's office or at the Infirmary, used for cases requiring nursing and certain types of hospital care. All surgical dressings and medicines are at the expense of the ill or injured. There is also medical service in chronic or prolonged illness or in case of accident, or an acute illness beyond ordinary first-aid emergency treatment.

The student is entitled to two days each semester at the College Infirmary without charge for room and meals if illness requires hospitalization. For additional days the charge is two dollars per day. *The College, however, reserves the right to discontinue this individual medical service at any time, without previous notice.*

The College does not assume responsibility for the complete medical care of all its students, but only in so far as its present facilities will afford. Preventive medicine and campus health functions are stressed in the College medical program.

For curative treatment, students have ready access to the College Health Service and to the consultants among the leading physicians of Claremont and Pomona. However, complete service is not financed by the College. The College nurse visits the

residence halls each morning in order to see those students reported ill.

When, at the option of the College Physician, specialists, consultants and special nurses are required, such fees will be met by the student. In any illness the student is free to choose his own physician on a private fee basis.

RESIDENCE FOR MEN

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that all men not actually living at home will live and dine in college halls.

Residential campus privileges are provided only on the basis of an inclusive yearly charge varying from \$430.00 to \$605.00, according to location of room. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread.

Smiley Hall has both single and double rooms and suites of three rooms accommodating two students.

On the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for two students. The other halls have both single rooms and suites.

RESIDENCE FOR WOMEN

It is expected that women students will room in the college residence halls and board at the dining rooms in Harwood Court. Freshmen are required to reside in Harwood Court. Students living at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, in which is included the dormitory known as Strong Hall, and the several College Houses which afford residence facilities, have both single and double rooms as well as suites. Florence Carrier Blaisdell Hall, the new dormitory for women, has mostly single but also a few double rooms. Each room is provided with the necessary furnishings, including rug. The only articles to be furnished by the student are linen and covers for a single bed.

Residential campus privileges are provided on the basis of an inclusive yearly charge of \$525. A limited number of special grants-in-aid applicable to this charge are available. Information can be obtained from the office of the Dean of Women.

The residence privilege does not include the use of the rooms during Christmas and Spring vacations, when the halls are closed. The residence halls are open for new students the Friday before the opening of the college year and for returning students the day of registration. The residence and boarding privileges end 24 hours after the last examination at the end of the year for all students except seniors and those asked by the college to remain through Commencement. The residence and dining halls are closed the day after Commencement.

The college reserves the right to dismiss from a dormitory without rebate any student who becomes a disturbing or undesirable occupant.

The fees charged cover only about one-half of the cost of maintaining Pomona College. The money received from students is supplemented by income from permanent funds and by gifts secured from year to year.

[illegible]

Candidates for scholarships who do not win awards but wish to reserve places in college must deposit \$25 within thirty days of the announcement of the awards.

Failure to make this payment results in the removal of the candidate's name from the reserved list both for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who have not paid are placed after those who have paid. Should an accepted candidate who has paid this deposit withdraw by September first, \$15 will be refunded. Candidates on the waiting list for whom places are not provided will have the entire deposit refunded.

REGULAR TUITION, including Artist Course season ticket,
and athletic events ticket per semester \$175.00

SPECIAL TUITION, exclusive of above general privileges,
for students carrying less than ten units of work, for
each such unit (see page 70) per semester 17.50

Visitor's Fee, required from those visiting a course
of study per course 10.00

Laboratory Fees \$2 to \$15

Laboratory Breakage Deposits \$5 to \$10

Fees for Applied Music \$25 to \$60

Practice Fees, Applied Music \$1.50 to \$9.00

Fees for Applied Art \$5 to \$25

For exact fee see *Courses of Instruction*

Late Registration Fee (see page 49) \$2 to \$10

Special Examination Fee (see page 52) \$1 to \$2

Associated Student Dues per semester \$7.25

This charge is made upon all regular students by action of the Associated Students. Recognizing the value of the activities supported by this fee, the College requires its payment and reserves the right to approve the budget for which it is spent.

Graduation Fee \$1

Every student expecting to graduate at the end of any given semester must so indicate on his registration card for that semester, and must include the graduation fee with the payment of his other fees at the time of such registration. Failure to indicate such expectation or thus to pay the graduation fee will automatically exclude from graduation that semester.

BILLS

All College bills are due each semester in advance and must be paid by the student at the time of registration. Payment for residence privileges on an installment plan may be arranged in conference with the Controller at an extra charge of one dollar for each extra payment. No refunds are made to those leaving before the end of the semester except that in the case of those leaving before the middle of the semester because of illness one-half the tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all but \$25.00 is returned. No refund is made on a room

payment unless the room is re-rented to someone not then rooming in a college residence hall.

Students are not given honorable dismissal nor graduated whose bills are not paid. Seniors must settle all college bills and Library obligations by four p.m., of the fourth day preceding Commencement if they are to receive their diplomas with their class.

PRIZES

The following prizes are offered for proficiency in the work of the several departments:

ART

THE EUGENE C. CRAMER PRIZES: A first prize of \$15.00 and a second prize of \$10.00 awarded for excellence in drawing and design in work presented for the annual exhibition in May. Given by Mrs. Eugene C. Cramer in memory of her husband, who was an artist.

ASTRONOMY

THE MONCRIEFF ASTRONOMY PRIZE: A prize given to the student in the first year course in Astronomy, taken regularly in class, whose interest in the study and proficiency in the observatory work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars is given by Miss Flossie C. Moncrieff, '11.

BIOLOGY

THE VAILE PRIZE: A prize of twenty-five dollars to be awarded to an outstanding student in Botany or Zoology was endowed by the late Mr. Charles S. Vaile.

ENGLISH

THE F. S. JENNINGS MEMORIAL PRIZES: Three prizes for men and three prizes for women of fifty, forty and thirty dollars each for excellence in English, are available each semester, to members of the Freshman class taking English A1. In the award of these prizes attention is given to the interest shown by the student in improving the quality of his written and spoken English.

GENERAL

THE RENA GURLEY ARCHIBALD HIGH SCHOLARSHIP PRIZE: A prize of fifty dollars to be awarded to that member of the graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Andrew W. Archibald, D.D.

LATIN

THE MUDGE LATIN PRIZES: Prizes for excellence in Latin. First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

MATHEMATICS

THE LLEWELLYN BIXBY MATHEMATICS PRIZE: A prize for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15. A prize of ten dollars is given by Mr. Llewellyn Bixby.

MUSIC

THE BARBARA SANFORD ALLEN PRIZE: An annual competitive prize of fifty dollars to be awarded to a student in the department of music, above freshman rank. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

THE THORNE-RIDER MUSIC PRIZE: A prize of fifty dollars in applied music, awarded to the student most worthy of recognition, as determined by the faculty of the music department. This prize is given annually by Count and Countess Frederic Thorne-Rider.

PUBLIC SPEAKING

THE KINNEY DECLAMATION PRIZES: A prize declamation contest, open to the members of the Freshman class, occurs near the middle of the year. First and second prizes of fifteen and ten dollars, respectively, are endowed by Mrs. H. N. Kinney.

THE DOLE DEBATE PRIZES: A prize debate for Lower Division men is arranged for the close of the second semester. First and second prizes of thirty and twenty dollars, respectively, established by the late Mr. John H. Dole in memory of his brother, Mr. William B. Dole, are endowed by Mr. Arthur M. Dole.

THE KNEELAND ORATORY PRIZES: A prize oratorical contest open to Lower Division men of Pomona College and men of the Southern California Junior Colleges of the Eastern Division is held during the second semester. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

THE KNEELAND DEBATE PRIZES: A prize debate open to Upper Division men is to be held for the first time toward the close of the second semester of 1936-1937. This debate replaces the former Kneeland Upper Division Oratorical Contest. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

THE STELLA KING PRIZES: The opportunity to compete for a first prize of seventy-five dollars and a second prize of fifty dollars for speeches of their own composition is offered to Upper Division men. The judges have the right to distribute the prize money otherwise than in the sums indicated, or to withhold all

awards if they feel warranted in so doing. These prizes were endowed by the late S. H. Wheeler, in memory of Miss Stella King.

RELIGION

THE HAGER PRIZES: Prizes for the best essays on a foreign missionary subject, open to all students were endowed by the late Mr. and Mrs. C. R. Hager. At present first and second prizes of twenty and ten dollars respectively are offered.

DEPARTMENTAL SCHOLARSHIPS

ART

THE HANNAH TEMPEST SCHOLARSHIP FUND OF \$5,000. Income to be divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

MILITARY

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrolment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a six weeks' summer training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarships of about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrolment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be given consideration in the selection of those to whom these scholarships will be awarded.

MUSIC

THE KATE CONDIT BRIMHALL MEMORIAL MUSIC SCHOLARSHIP FUND, \$2,000. Given by the late Mr. and Mrs. A. P. Condit.

PHYSICS

THE RICHARD P. EDMUNDS MEMORIAL FUND provides a scholarship of full tuition for an upper division man student (preferably one who has attended during the first two years) nominated to the Scholarship Committee by the Professor of Physics, near the close of each scholastic year for use the following year.

SPECIAL SCHOLARSHIPS

KAPPA DELTA HONOR SCHOLARSHIP ENDOWMENT OF \$2,460.13. Given by members of Kappa Delta Fraternity. The income from this endowment is supplemented by individual pledges to yield

a scholarship of \$250, administered under a special committee. Awarded to a man at the beginning of his senior year.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP. \$500 a year from The Sanborn-Pitzer Foundation established by Russell K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

THE MALCOLM EVERSOLE MEMORIAL FUND provides a scholarship of full tuition for a man in the Junior Class to be nominated to the Scholarship Committee by the President of the College at the end of the nominee's second year in Pomona College. The selection will be based not on scholastic rank only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

GENERAL COMPETITIVE SCHOLARSHIPS

All General Scholarships in Pomona College are competitive and are awarded in three groups: (1) to entering Freshman students, (2) to Junior College transfers, and (3) to resident matriculated students. The general and respective terms of awards are stated in the following paragraphs.

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to make awards only to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in the college community.
- (3) Physical vigor as shown by interest in outdoor sports or in other ways.

The preferred applicant will excel in all three of the categories listed, but in the absence of such preferred combination the Committee may select an applicant who shows distinction in the first two over an applicant who shows a lower degree of promise or excellence in all. In any case interested participation in activities which sustain physical well-being constitutes an essential qualification, though superior skills and excellence in such matters are not given undue weight.

Before making application to the Committee on Scholarships, applicants who are not matriculated students in Pomona College must file application for admission to the College with the Com-

mittee on Admissions (fee \$3.50). In the case of freshmen it is ordinarily expected that they will not have attended any other college or university. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the head of the school from which he comes, and will be required to take competitive examinations. The examinations for Freshmen will be held on Saturday, December 2, 1939. The examinations for Junior College transfers will be held on Saturday, March 9, 1940. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special evidence, by examination or interview, which it may deem necessary to determine the candidate's fitness.

SCHOLARSHIPS FOR NEW STUDENTS

FRESHMEN

From the General Competitive Scholarships the following are available for candidates for admission to the Freshman Class for the academic year 1940-41, half of the stipend being available for the first semester and half for the second:

Four Scholarships of Five Hundred Dollars each, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Dollars each, open to both men and women; two from the Thomas J. Dowling Fund and two from the Margaret Burton Harwood Memorial Fund.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women: One of these is from the Henry G. Brainerd and Fannie Howard Brainerd Memorial Fund.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory:

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women.

Four Scholarships of One Hundred Fifty Dollars each, two for men and two for women, who are nominated for the same by the California Scholarship Federation.

Applications for above freshmen scholarships, 1940-41, should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships by November 15, 1939. The examinations are held on Saturday, December 2.

Announcement of awards will be made on or before February 5, 1940.

SCHOLARSHIPS

JUNIOR COLLEGE TRANSFERS

From the General Competitive Scholarships the following are available for candidates from Junior College men or women for the academic year 1940-41, half of the stipend being available for the first semester and half for the second:

One scholarship of Three Hundred Dollars, available to incoming transfers from junior college on the Margaret Burton Harwood Memorial Fund.

Two scholarships of One Hundred Fifty Dollars each, available to incoming transfers from junior college.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory.

Two scholarships of One Hundred Fifty Dollars each, available to incoming transfers from junior college, who are recommended for the same by Alpha Gamma Sigma.

Five scholarships of One Hundred Fifty Dollars each, available for incoming students of sophomore or junior standing from among the best qualified applicants for admission.

Applications for above advanced standing scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before March 15. The examinations are held on Saturday, March 9.

Announcement of awards will be made on or before June 15.

SCHOLARSHIPS FOR MATRICULATED STUDENTS

Twenty-one awards of One Hundred Fifty Dollars each are available on a semester basis for matriculated students, men and women, in any class, during the academic year 1939-40. Of the fifteen are from the Olivia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the first semester and ten for the second semester either upon application to the Committee or upon selection by the Committee from the whole number of those eligible. These scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships should reach the Committee on Scholarships before May 15th for the first semester of the following academic year and before January 15th for the second semester of the current academic year.

FELLOWSHIPS

The following awards may be made for 1940-41 if qualified applicants appear. Applications should be in the hands of the Committee on Scholarships by February 1, 1940.

One WILLIAM LINCOLN HONNOLD FOUNDATION fellowship with a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open normally only to students who have done four full years of work in Pomona College, who are rated in the upper half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in America or abroad.

Should the student selected waive the emolument, the stipend may be paid to the candidate next in rank, while the first student could be designated Honorary Honnold Fellow for the year.

The appointment will be for one year, but satisfactory work and conduct may earn a renewal, so that a really successful candidate may enjoy the fellowship for two or possibly three years, while at the same time a new appointment may be made from the graduating class each successive year.

The prime purpose of the fellowship is to promote original and creative achievement in the candidate's chosen field of activity rather than merely to reward faithful classroom work. The selection will be based not on scholarship only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character. The plans for graduate work are to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of each year of tenure, each Honnold Fellow is to make a full report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been residing, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship plan.

OTHER AWARDS

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institu-

STUDENT AID FUNDS

tions and foundations. Those who seek nomination to the Rhodes scholarships should advise with the Committee on Scholarships.

GRANTS IN AID

The income of certain funds is supplemented by a budget appropriation to be used in helping to pay the tuition fees of students who are in need of financial assistance. Such aid is given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in their attendance upon college exercises, and who maintain at least "C" grade in their scholastic work.

Aid may be withdrawn at any time from students who prove not to have conformed to the conditions.

The college desires that no student who is doing good work should ever withdraw for purely financial reasons.

Recipients of grants in aid may be asked to render service to the College in exchange.

If a student who has received a grant in aid transfers to another institution before graduation the total sum granted him by Pomona College shall become a loan, repayable according to the terms applicable to regular student loans.

All applications for aid should be made before May 15, 1939 for the first semester and before January 15, 1940 for the second semester of the academic year 1939-40. Address Committee on Student Aid, Sumner Hall.

STUDENT AID FUNDS

GENERAL

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, California, in memory of her father.

THE BARROWS FUND OF \$2,500. Given by L. H. Barrows of Pasadena, California.

THE H. G. BILLINGS MEMORIAL FUND, \$1,000. Given by Mr. E. A. Billings of Los Angeles, California, in memory of his husband.

THE FLORENCE G. BIXBY FUND, \$5,000. Given by Florence G. Bixby of California.

THE BRISTOL MEMORIAL FUND, \$400. A fund raised as a memorial to the Reverend Sherlock Bristol.

THE BESSIE A. BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of Bessie A. Brown.

THE HENRY HERBERT BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE CLASS OF 1918 FUND OF \$961.78. Given by the Class of 1918.

THE CHARLES C. CRAGIN MEMORIAL FUND, \$5,025. Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles C. Cragin.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by David R. Crawford and William Crawford, in memory of their mother.

EBELL CLUB OF POMONA STUDENT AID FUND, \$1,000. To help, preferably, a girl.

THE ELWOOD FUND OF \$2,600. Given by Mary E. Elwood of Redlands, California.

THE FORD FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

THE FOWLER FUND OF \$1,000. Given by Mrs. Margaret Fowler of Pasadena, California.

THE ORREN A. GORTON FUND OF \$5,000. Established by the will of Orren A. Gorton of Sherburne, New York.

THE EMMA K. GUILD FUND OF \$44,337.14. Given by Emma K. Guild of Claremont, California.

THE MANETTE HAND MEMORIAL FUND OF \$1,500.

THE ALFRED JAMES HARWOOD MEMORIAL FUND, \$8,000. Given by Alfred P. Harwood of San Dimas, in memory of his son.

THE CHARLES E. HARWOOD FUND OF \$5,000. Given by Charles E. Harwood, LL.D., of Upland.

THE THOMAS F. HOWARD "MEMORIAL SCHOLARSHIP FUND," \$3,500. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

THE MARY MARVIN JANES FUND OF \$296.93. Given by Mary Marvin Janes of Pasadena, California.

THE HELEN DAY JEWELL FUND, \$1,000.

THE KUNS FUND OF \$2,000. Given by Henry L. Kuns of La Verne.

THE LOOMIS FUND OF \$2,000. Given by Miss Jean Loomis, '97.

THE HOWARD J. MILLS MEMORIAL FUND OF \$3,000. Given by Mrs. Howard J. Mills of Los Angeles, California, in memory of her husband.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the endowment of a fund.

STUDENT AID FUNDS

THE PAGE FUND OF \$5,000. Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at some time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL FUND, \$2,000. Given by Mrs. C. S. Phelps and Mr. C. A. Phelps, in memory of their son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000. Given by Hiram E. Phelps of Ontario, California, in memory of his wife.

THE PILGRIM CHURCH OF POMONA FUND, \$1,704.94. Given by the Pilgrim Congregational Church of Pomona.

THE PILGRIM CHURCH WOMEN'S AUXILIARY FUND, \$500. Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mrs. S. T. Potter of Westboro, Massachusetts, in memory of her husband.

THE SEARING FUND OF \$1,800. Given by Dr. Anna H. Searing of Escondido, California.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her son.

THE CLYDE H. SHIELDS MEMORIAL FUND, \$1,200. Given by R. P. Shields of San Diego, in memory of his oldest son, who was drowned in 1894, when about twenty-one years of age.

THE SWEET MEMORIAL FUND OF \$2,500. Given by Harlan P. Sweet in memory of his wife, C. Nell Sweet.

THE THATCHER FUND OF \$6,000. Given by Miss Susan E. Thatcher of San Diego.

THE WARDWELL FUND OF \$1,000. Given by Mrs. Maria T. Wardwell of Plymouth, Connecticut.

THE CLARA B. WATERMAN MEMORIAL FUND OF \$5,000. Given by Miss Rosa May Bennett of Los Angeles.

THE WEST FUND OF \$2,000. Given by Henry S. West of Los Angeles.

SPECIAL

"CROMBIE ALLEN SCHOLARSHIP FUND" OF \$1,000, half of the income available annually to a graduate of *Chaffey Union High School* and half to a graduate of *Chaffey Junior College* of Ontario, California.

THE MARTHA E. BERRY MEMORIAL FUND OF \$6,000. Given by Miss Elizabeth E. Berry. For foreign students.

THE MABEL S. BRIDGES MEMORIAL FUND, \$3,500. Given by Mr. and Mrs. A. S. Bridges of San Diego, California, in memory of their daughter. Available for women.

"ALICE PAUL HARWOOD SCHOLARSHIP FUND" OF \$5,000. Open to graduates of *Chaffey Union High School* of Ontario.

"STELLA M. KING SCHOLARSHIP AND LOAN FUND FOR WOMEN," \$10,000.

Two grants-in-aid, provided annually by REVEREND M. D. KNEELAND, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the first semester and \$50 for the second.

THE FRANCIS M. PRICE FUND OF \$1,000. For children of missionaries.

LOAN FUNDS

The College also administers loan funds established by the bequest of Ellen H. Lyman and by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of these funds, it is possible to co-operate in a moderate way, and temporarily, with the pressing needs of students.

THE RAY LOAN FUND made possible by the gift of \$1,000 by Mrs. E. F. Ray provides a means of meeting situations of temporary need.

THE LUCY B. JENCKS MEMORIAL STUDENT LOAN FUND OF \$160, established by the Claremont Chapter of the D.A.R., available for a senior girl to be designated by the Dean of Women.

For more substantial loans over a longer period, the College administers the following funds on an interest bearing basis:

THE CAROLINE PHELPS STOKES FUND, endowed in the sum of \$25,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister.

THE ETHAN ALLEN CHASE AND AUGUSTA FIELD CHASE MEMORIAL FUND OF \$5,000, for men.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

SELF SUPPORT

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many are helping themselves by various forms of labor such as janitor work, waiting on tables, general house work, gardening and the like. The most desirable positions are in general secured by upperclassmen who have proven themselves good workers and good students, and those coming to the College for the first time

should be content if any work which they can satisfactorily do is secured for them. Students in any case should come prepared to pay all bills for at least one semester. Their record during this semester will be a large factor in deciding what opportunities for self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

The National Youth Administration program provided at Pomona College during the year 1938-39 the sum of \$1095 per month, which was earned by needy students assigned to socially desirable tasks. Students were permitted to earn an average of \$15 or a maximum of \$20 per month.

ADMISSION

PREPARING FOR COLLEGE

The College welcomes tentative applications from prospective students a year or so in advance and is glad to offer suggestions regarding the best preparation for admission.

Any person interested in preparing for Pomona, or any Principal, Vice-Principal or Counsellor who is responsible for directing the preparatory programs of students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work. The Counsellor on School Relations is glad to cooperate with the preparatory schools in planning satisfactory programs for any individual whether or not they are Pomona College applicants.

Anyone interested may have his records evaluated at any time. By having this done early subsequent admission difficulties may be avoided.

For further information, write to Office of Admissions, Sumner Hall, Pomona College, Claremont, California.

GENERAL REQUIREMENTS AND METHODS OF ADMISSION

Inasmuch as the College expends on its educational work twice as much as it receives from tuition fees, thus making an investment of some three or four hundred dollars a year in every student admitted to its halls, the College naturally is justified in rendering this service only to those who are properly qualified to profit thereby both in their own development and in their subsequent service to society.

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments. Any student who falls below grade in scholarship may be asked to withdraw.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college values are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

It is the purpose of Pomona College to do a distinctly high grade of work, thus preparing its graduates for special achievement in whatever later callings they may choose. While Pomona College emphasizes the value of a broad general training as preliminary to the highest achievement in any professional field, it offers such a variety of courses that many students readily find the desired combination which constitutes a definite and adequate preparation for later professional training in a special field such as medicine, law, engineering, scientific research, religious or social service, teaching or other fields. Candidates for admission are expected to present satisfactory evidence of their fitness for college, both in character and in scholarship.

Formal application should be accompanied by a fee of \$3.50.

A medical examination conducted by an authorized physician, under the direction of the College, is required of all students.

An applicant for admission, upon receipt of notification of acceptance, is required to make a deposit of twenty-five dollars. See page 33.

ADMISSION TO FRESHMAN STANDING

Applicants are admitted to freshman standing in accordance with one of the following plans:

- Plan I. Certificate of graduation from an approved secondary school showing either:
 - A. Fifteen recommended units accumulated during the 9th, 10th, 11th and 12th grades; or

- B. Twelve recommended units accumulated during the 10th, 11th and 12th grades.

Plan II. Certificate of graduation from an approved secondary school showing either:

- A. Twelve recommended units accumulated during the 9th, 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
 - 1. A personal letter from the proper official of the school from which the candidate graduated, or graduating; and
 - 2. A satisfactory achievement in specified scholastic aptitude tests; or
- B. Nine recommended units accumulated during the 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
 - 1. A personal letter from the proper official of the school from which the candidate graduated, or graduating; and
 - 2. A satisfactory achievement in specified scholastic aptitude tests.

Note: Certificate of having successfully passed examinations as given by the College Entrance Examination Board will be accepted as the equivalent of secondary school units in subjects covered by such examinations. These examinations are given at stated times and places; information regarding details may be secured from the Director of Admissions.

Plan III. Examination by the College.

ADMISSION TO ADVANCED STANDING

Students who transfer from a Junior College, or from another College or University, and who have sufficient credit therefor, are admitted to advanced standing on credentials signed by proper officials. These credentials should give full particulars regarding the nature of the courses taken, the time spent in each, and the student's final grade in the same.

THREE YEAR PROGRAM FOR JUNIOR COLLEGE GRADUATES

Recognizing the increasing demand on the part of many Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to

Master's degree rather than a two-year program leading only to the Bachelor's degree, Pomona College calls the attention of those interested in such a procedure to the general statement on page 75 and the subsequent departmental exhibits of upper division and graduate studies.

ENTRANCE SUBJECTS

The only specific requirement is at least 3 units of English. In addition to this, applicants will find it advantageous to present the following: at least 2 units of one foreign language; 1 unit each of history, algebra, geometry, and laboratory science; and 3 or more units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science.

For advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or German. In some fields, a command of both is desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics, will do well to take both Trigonometry and Solid Geometry in High School if possible.

ADMISSION AS SPECIAL STUDENTS

Mature students, particularly those equipped for advanced studies in special departments, may be admitted as special students to courses for which, by ability and preparation, they may be fitted. Special students are not candidates for a degree.

PRE-REGISTRATION AND REGISTRATION

On appointed days, on or before the first Saturday in June, *all resident students must fill* out a schedule listing their choice of subjects for the following year.

New students prepare a program of study on announced days at the opening of each semester.

Registration is completed by the payment of tuition and fees on one of the regularly announced days preceding the opening of the class work of each semester.

The fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

CHANGES IN REGISTRATION

A student has the privilege of modifying his schedule of studies

by addition or substitution of courses, with the approval of his adviser and the instructor concerned, at any time within two weeks of the beginning of class work for the first semester or one week for the second semester. A student may withdraw from a course, with the approval of his adviser and the instructor concerned, within six weeks following the beginning of class work. Thereafter, the dropping of a course by a student shall entail for him a grade of FF for the course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a different grade. No change of registration is completed until written authorization to that effect has been sent from the recorder's office to the instructor concerned.

The fee for each change of registration is one dollar (\$1.00). This is waived in the case of new students, registering for the first time.

Students are admitted to those courses only for which they are formally registered.

Students are not received later than two weeks from the beginning of class work.

MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the standing of all students is provisional until after they have been in residence for one semester. At that time those are matriculated who have shown themselves in accord with the spirit of the College and who have made at least a C average on all work attempted.

Students failing to matriculate at the end of their first semester of residence may be matriculated only after they have met all the requirements for two semesters.

Students are not candidates for a degree until they have matriculated.

SUPERVISION OF SCHOLARSHIP

Amount:

The College regulates the amount of work a student may carry as follows:

15 or 16 units of academic work, exclusive of Physical Education (Gymnastics, Sports, Activities*) Military Drill* and Choir,* is the general registration and the maximum for Freshmen.

To register for 17 units, exclusive of work stated in the preceding paragraph, a student must have earned 32 more grade points than the total number of units for which he registered the previous semester; to register for 18 units, 40 more grade points.

To register for less than 12 units of academic work requires special permission.

Quality:

A student is expected to secure each semester twice as many grade points as the total number of units of registration.

At the end of the first month of each semester, and also at or near the middle of each semester, a report is made of all students doing failing or unsatisfactory work for the period preceding the date of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and deans receive such reports and take such steps as are advisable in each individual case.

At the end of each semester a complete report is made on every student. This report becomes part of the student's record and indicates the semester's standing in the courses for which he has been registered.

Whenever the quality of a student's work declines to such an extent that his graduation in due course seems improbable, he and his parents are so informed, and he is advised to withdraw. Decision in every such case is reached by the joint action of the College Life and Classification Committees in consultation with the student's adviser. The college may at any time require the withdrawal of a student if the quality of his work seems to warrant such action.

*The semester hour value of each of these is as follows: Phy. Ed., $\frac{1}{2}$ to $1\frac{1}{2}$; Mil. Drill, $\frac{1}{2}$; Choir, 1.

Faculty Dropping Students:

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or W for the course and an annotation reporting the fact of his having been dropped, shall be turned in to the Recorder's Office.

Class Attendance:

Students are expected to maintain regular attendance at all class appointments in the courses for which they are registered. Irregular attendance usually results in low scholastic standing or failure.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

Final Examinations:

Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty.

The schedule of final examinations is prepared by the Courses of Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee and on the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Committee.

A teacher may, at his discretion, appoint a time at which an announced test missed or not passed may be made up. Before such a test can be taken, a receipt from the Business Office for a payment of a fee of one dollar (\$1.00) must be presented to the teacher by the student, unless this fee is remitted by the Classification Committee.

Field Trips:

Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is secured by instructors from the Courses of Study Committee at the opening of each semester. Instructors certify to the Recorder's Office the names of students participating in these trips.

Eligibility:

Students are required to maintain a satisfactory standard of excellence in all their studies in order to represent the College on any of its athletic teams or other organizations coming before the public.

SUPERVISION OF CONDUCT

In the government of the College, the largest liberty consistent with good work and orderly conduct is allowed. Students are expected to show both within and without the College such respect for order, morality, personal honor, and the rights of others as good citizenship demands. Failure to do so will be sufficient cause for removal from the College.

Any student who for any reason, in the judgment of the faculty or of its proper committees, is felt not to be a desirable member of the student body, may be dismissed without specific charges.

The use or possession of alcoholic liquors of any kind whatsoever on the campus is prohibited by the College, and the off-campus use of such may subject the student to the application of the foregoing paragraphs.

The Committee on College Life exercises the authority of the College over all students individually with respect to personal conduct, and over student organizations which bear the name of the College, or which represent the College in any way.

Individual or collective student enterprises which involve the absence of the participants from the College, while using the College name, must receive the official sanction of the Committee on College Life.

AUTOMOBILES

While the College does not prohibit students from having automobiles in Claremont, it does exercise control over their use, and to that end has established the following regulations:

Student drivers must at all times, both on and off the campus, exercise particular care and consideration for the safety of themselves and others.

Student drivers must acquaint themselves with the state and local traffic laws and comply with their observance.

Students driving cars in Claremont are required to carry public liability insurance in the amount of ten and twenty thou-

sand dollars in approved companies. Evidence that the owner of the car holds such an insurance policy extending beyond the end of the college year, together with the license number of the car, must be deposited with the office of the Dean of the College at time of registration or within three days after the car is driven in Claremont.

Failure to comply with the above regulations shall constitute an offense against the College, the penalty for which may include sequestration and storage of the car at the student's risk and expense for a period not beyond the end of the semester in which the offense occurs.

MANUAL OF PROCEDURE IN HONORS STUDY

PURPOSE OF HONORS STUDY

A student who shows capacity for more than average intellectual achievement is permitted during junior and senior years to study for the bachelor's degree with honors. Such a student pursues a definite program looking toward the mastery of a major subject and the understanding of one or two minor subjects, particularly in their relations to the major. The elements of the honors program thus form a significant pattern of integrated study in two or three departments of a Division of the curriculum. Honors work affords the student to whom college is primarily an intellectual experience the opportunity for more independent study through a more flexible use of courses. Released from as much of academic routine as his instructors may approve, an honors candidate assumes responsibility for a profounder and broader knowledge of his chosen field than is expected of an ordinary student.

Honors study, begun at Pomona College in 1924, has been, since the academic year 1927-28, the only procedure for attaining the degree with honors. Beginning with September 1936 this manual replaces all previous regulations with respect to candidacy for the degree with honors.

REQUIREMENTS FOR CANDIDACY

A student may be admitted to candidacy for honors on the basis of a record which shows promise of competence to do honors work. It is expected of such a candidate (a) that he exercise initiative and self-administration in his work; (b) that he put scholarship consistently first among his interests; and (c) that he maintain a high standard of scholarship in the Division wherein his honors program lies, and a satisfactory record in his other work. He is encouraged to utilize vacations in part for reading and study. Candidacy for the degree with honors may be continued only so long as the candidate maintains a quality of work and an attitude such as will justify his Division in recommending him for the degree with honors at graduation.

ADMINISTRATION

General administration of honors work is vested in the Committee on Honors. Each Division of the Faculty approves the

programs of its candidates, supervises their work, and administers the senior honors examination within the Division. Upon recommendation by the Division, the Committee on Honors may certify to the Recorder candidates for the degree with honors.

REGISTRATION

I. FRESHMAN AND SOPHOMORE ASSOCIATES

A Freshman or Sophomore may associate himself with the honors group of the College by making a declaration of intention upon his registration card, with the approval of his adviser. Freshman and Sophomore Associates are invited to attend occasional group meetings of candidates for honors.

II. REGISTRATION FOR DIVISIONAL HONORS

Normally at the end of Sophomore year and not later than the beginning of Senior year a student may apply for candidacy for the degree with honors. The application form, obtainable from the Recorder, should set forth a program of honors study formulated with the approval of the adviser with whom the student plans to study. The program is subject to acceptance by the Division and Adviser appointed by the Division. The requirements for Divisional Honors are printed elsewhere in the catalogue. Normally the program should include work in one department of major interest and in one or two departments related to the major in the same Division. The student should direct his study toward a mastery of these elements of his program and an understanding of their relations to one another. Evidence of such knowledge is sought in an examination administered by the Division during senior year. Requirements in courses studied outside the Division of honors work are determined by the instructors concerned. Each candidate's program should be filed with the secretary of the Division. Each semester the candidate's registration must be approved (a) by his adviser and (b) by the secretary of the Division. Special programs for honors study in more than one Division must be approved by the Committee on Honors and carried out under an adviser approved by that Committee. The number of curricular hours per semester for which a junior registers may be restricted to twelve; for a senior the number of curricular hours may be restricted to twelve or less.

METHODS OF INSTRUCTION

Methods of instruction vary with different Divisions and departments. Requirements with regard to courses, attendance, course examinations, theses, conferences and seminars are determined by the Division or by departments with consent of the Division.

WITHDRAWAL

A student registered for the degree with honors may withdraw from candidacy on favorable action by the Division concerned, or by the Committee on Honors in the case of a student with a special program. A division itself may withdraw a student from candidacy, and the Committee on Honors may withdraw a student with a special program. In senior year the status of a candidate may be changed only with approval of the Committee on Honors. If, for any reason, a candidate leaves the honors status, the Division concerned certifies to the Committee on Honors the credit to which the student is entitled for work done under its supervision.

EXAMINATIONS

A candidate for the degree with honors takes a written Divisional examination toward the end of senior year. Each Division assembles questions from participating departments to form the various parts of the Divisional examination; it determines, in cooperation with the Committee on Honors, the dates for such examinations and conducts them. The candidate writes on those parts of the Divisional examinations which relate to his program of honors work. In the case of a special program including honors work in more than one Division, the candidate takes such other Divisional examinations as are related to his program of honors work. It is proposed through these examinations to take the measure of each candidate's abilities, and to determine the quality and range of his scholarship as revealed in his grasp of the elements of his honors study and their relations to one another. Copies of the examinations are filed with the Committee on Honors for reference and study in relation to honors work.

An oral examination, in addition to the written Divisional examination, may be required of a senior candidate at the discretion of a Division or a department. Such an oral examination is conducted by at least three examiners chosen by the Division, one of whom is the candidate's adviser. In addition to these

examiners the Division, in cooperation with the Committee on Honors, may appoint an examiner from another institution and the Committee on Honors appoints one of its members to attend the examination. The purpose of the oral examination is to supplement the examinations previously taken. In it the candidate is responsible for the entire scope of his honors study.

A candidate taking courses outside of his honors program subject to the ordinary requirements with regard to examination in such courses. From examinations in courses included in his honors program he may be exempted at the discretion of the instructors concerned.

HONORS

At the end of senior year the Division concerned recommends to the Committee on Honors the credit to which the candidate is entitled for his honors works and the particular honor, high honor, or highest honor for which in their judgment he has qualified. A student who does not merit honors, but whose credentials warrant graduation, will be recommended for graduation course.

GRADUATION

In the case of a candidate who qualifies for the degree with honors, the Committee on Honors certifies to the Recorder the credit and to the Faculty the particular honor to be awarded. Such honor is announced on the Commencement program and recorded upon the graduate's diploma.

HONORS STUDY IN THE DIVISION OF HUMANITIES (DIVISION I).

Honors study in the Division of Humanities is designed to encourage, first, a broad cultural acquaintance with the principal lines of historical development and a selected list of outstanding masterpieces in the fields of learning represented in the division and, second, a thorough knowledge of some field of concentration. A comprehensive examination at the end of the candidate's senior year will survey his success in attaining a divisional breadth of culture and his mastery of the field of his major interest.

Honors work is concerned primarily with a type and a standard of achievement. Accordingly, the Division prescribes no particular method by which the desired end shall be attained but expects an exercise of individual initiative on the part of the candidate in carrying out his program of study. Candidates are encouraged to allocate to honors study the three academic hours each semester allowed under the general rules for honors work in the college. This time may be devoted to a reading program, to a specified problem of investigation, or to original work in a chosen field of creative activity; but all work must be undertaken with the approval of the Division and under the direction of an honors adviser. Ordinarily, two-thirds of the comprehensive examination will be devoted to the field of concentration, and for one-half of this section of the examination—a third of the entire honors examination—there may be substituted a research paper or a demonstration of original achievement in the field of language, literature, art, or music.

A student who wishes to engage in honors study should select, preferably at the close of his sophomore year and in no case later than the beginning of his senior year, a faculty adviser, and, with his approval, submit to the Division of Humanities a coherent plan of study for the remainder of his college course.

BIOLOGICAL SCIENCES

(DEPARTMENTS OF BIOLOGY, BOTANY AND ZOOLOGY)

I. OPPORTUNITIES

The location of Pomona College, close to mountain, desert, coastal plain and sea, makes it especially suited to studies of systematic and ecological nature. This assures also an adequate and diversified supply of materials for class and laboratory and special problems of a morphological or physiological nature. The College, furthermore, possesses a number of special biological collections, notably of plants and insects. The Marine Laboratory of the College at Laguna Beach is an adjunct valuable during summer session and of use on occasion throughout the year.

II. CONCENTRATION IN THE DIVISION

A student emphasizing biological science is ordinarily expected to have Biology A1, and Biology B2, followed by an integrated program in either Botany or Zoology or both. A reading knowledge of German and French and a training in the physical sciences are also expected according to the needs of the individual.

III. COURSES PREPARATORY TO:

(1). Graduate work, looking towards investigation or high school education. Broad foundations in the biological and physical sciences, with liberal selections of advanced courses in the field of concentration, are essential for those who anticipate professional work in biological science.

(2). Teaching in secondary schools. Teachers of biological subjects and general science need basic courses in as many branches of science as possible. The following are also important: Field Botany, Plant Physiology and Taxonomy, Physiology, Entomology, Genetics and Bionomics.

(3). Museum work, conservation, nature guide work, field biology. In addition to the basic courses are recommended: Plant Taxonomy, Functional Zoology, Entomology, Special Problems in Geology.

(4). Horticulture, agronomy, landscape art, forestry. For the first two: Plant Physiology, Bacteriology, Entomology, Genetics, considerable Chemistry, Elementary Physics, Structural Geology. For landscape art: Plant Taxonomy, Freehand and Mechanical Drawing, Surveying, Chemistry, Geology, and Economics. For forestry: Plant Taxonomy, Entomology, Surveying, Plant Physiology.

(5). Medicine, nursing, laboratory technique, public health, sanitation. Pre-medical requirements are discussed elsewhere. Inasmuch as medicine is highly biological, a liberal election of Botany, Histology, Neurology, Functional Zoology is recommended. Work in Entomology, Bacteriology and General Botany is recommended in addition to the above for Public Health.

PHYSICAL SCIENCES

(DEPARTMENTS OF ASTRONOMY, CHEMISTRY, GEOLOGY,
MATHEMATICS AND PHYSICS)

The group of Physical Sciences renders through its freshman and sophomore courses two quite distinct types of educational service:

1. For persons who are not intimately concerned with science or scientific pursuits it offers a general introduction through survey courses to modern scientific method, to the philosophic aspects of science, and to the place of the sciences in the general scheme of human affairs, along with the theoretical and descriptive presentation of the subject-matter. Conspicuous among such courses are: Mathematics A1, Physics A1, Chemistry A1, Astronomy B1 and Geology

2. For those who incline toward more emphasis on the physical sciences during their collegiate years, whether for purposes of teaching, or with a view to engaging in commercial enterprises requiring knowledge of physical science, or because of an interest in scientific study for its own sake, the group offers excellent opportunities for concentration.

PREREQUISITES for undertaking concentration in Physical Science:

1. Physics and Chemistry: Fundamental in importance is such understanding of the constitution and value of matter and energy as is ordinarily gained through basic courses in Physics and Chemistry.

2. Mathematics: A practical knowledge of the tools of scientific reasoning acquired in Mathematics is essential. This will mean mathematics courses at least through calculus. It is urged that those planning such work in college complete trigonometry in high school.

3. Foreign Languages: It is highly desirable that the student proposing to concentrate in the Physical Sciences shall acquire a reading knowledge of both French and German.

CONCENTRATION: Each one of the departments in the group has its own sequence of courses for the student concentrating in its portion of the general field; but it also requires supplementary work in related departments. In addition, there are opportunities for concentration in fields that cross departmental lines. The combinations and implications are too markedly individual, however, to admit of a satisfactory general statement; they must be worked out between the student and his adviser.

SOCIAL SCIENCES

(DEPARTMENTS OF ECONOMICS, EDUCATION, HISTORY,
(GOVERNMENT, RELIGION AND SOCIOLOGY)

CONCENTRATION IN THE FIELD:¹ Although emphasis in the program of a student concentrating in the field is placed on an integrated sequence of studies in one of the social sciences, it is expected that the student will obtain a broad understanding of the content and meaning of the social sciences as a whole. With this in view, the student will include early in his course at least three of the four basic courses² in the group. He will maintain a "B" average in the social studies, will complete 24 units in "C" and "D" courses in the field, of which at least 12 must be "D," and will include courses D251 and D252 in the social science of his more intensive study.

FOREIGN LANGUAGE: It is recommended that every student concentrating in the Social Sciences acquire a reading knowledge of French and German. Normally by the beginning of the Junior year, but not later than the middle of his Senior year, the student is required to file with his Adviser a written certificate of his ability to read French or German, issued by a member of the faculty in the field who has been designated to examine in those languages.

COMPREHENSIVE EXAMINATION: The work of a candidate concentrating in social sciences culminates in a written comprehensive examination, administered by the Social Science faculty. This examination consists of two parts: (1) a general examination to review the candidate's grasp of the broader aspects of the several social sciences and their interrelations, and (2) one or more specialized examinations to test his mastery of the particular social sciences which the candidate has studied intensively. Inasmuch as the purpose of the comprehensive examination is to appraise the candidate's integration of the entire range of social studies included in his undergraduate program, the passing of both parts of this examination will exempt the student from final examinations in social science courses at the end of his Senior year.

The following courses offered by the Department of Education are considered to be part of the work of the Social Sciences:

Introduction to Education; History of Education.

SUPPLEMENTARY COURSES: In addition, the courses listed below and other approved courses, may form a part of a student's program of concentration in the Social Sciences:

Philosophy of the State; History of Philosophy; Social Psychology.

The attention of social science students is called to certain courses available to them, offered by affiliated colleges in Claremont

¹No departmental concentration, or major, is offered in any social science.

²Economics B11, Government A2, History A1, Religion A1 or C103, Sociology B21.

FINE ARTS

(DEPARTMENTS OF ART AND MUSIC)

Courses in the history, appreciation, and theory of art and music are offered by the College as contributions to personal culture, and receive credit toward the Bachelor of Arts degree on the same basis as other academic courses. In the fields of applied music and art technical proficiency is aimed at, with the idea, first, of developing an appreciative taste, and second, of stimulating creative ideas worthy of expression.

APPLIED ART: Students wishing to concentrate in Art as their major subject for the B.A. degree may elect courses in Drawing and Painting, Sculpture and pre-Architecture. A theoretical knowledge in all these fields is desirable and practical work should be taken in two of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization.

The student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year the student concentrating in Art will give a separate exhibition of his work of that year.

MUSIC: Either theoretical or applied music may be elected as a subject of concentration for the Bachelor of Arts degree.

Although the Special Credential in Music from the State Board of Education is no longer granted through Pomona College, thorough preparation for teaching music in the public schools may be obtained in the college. The courses in Public School Methods are given in Claremont Colleges (the graduate school.) Students concentrating in music toward the Bachelor of Arts degree, or looking forward toward teaching music in the public schools should select the beginning harmony and sight singing courses in the first year in order to be able to complete all required courses.

Each candidate concentrating in music, whether the applied or theoretical branches, must present a satisfactory public recital in his major subject.

APPLIED MUSIC: Students in applied music will be enrolled for credit toward the Bachelor of Arts degree upon the written recommendation of the Head of the Department of Music. This recommendation is based upon the degree of ability and advancement shown in proficiency tests given before examining committees of the music faculty. To receive credit applied music must be accompanied or preceded by first year harmony, Music A1. This course entitles a student to register for credit in applied music for one or two lessons per week for the first year and one lesson per week for the remaining three years. If credit is desired for *two* lessons per week for a second year or more, the work must be accompanied or preceded by second year harmony, Music B5. Proficiency tests are required only of students in applied music who desire credit toward the Bachelor of Arts degree.

ENGLISH

(DEPARTMENTS OF ENGLISH AND PUBLIC ADDRESS)

- I. The English group functions in three different ways:
 1. To persons desirous of proficiency in our mother tongue whether for the sake of apprehending the ideas of others or for the sake of expressing their own, it affords training in reading, writing and speaking.
 2. To persons seeking the mental and spiritual culture attendant on the processes of literary appreciation it offers a generous variety of courses.
 3. To persons who wish to make English in any of its phases the dominant feature of their collegiate programs it provides opportunity for concentration during the junior and senior years.
- II. To the end that proper organization and direction may be achieved and a desirable breadth at the same time maintained in the programs of students concentrating in English the following objectives are recommended for their guidance:
 1. Effective command of the English language, in reading, in writing and in speech.
 2. Extended and intensive experience in literary appreciation; interpretation and criticism; original creation.
 3. Intelligent acquaintance with the great books of the world. Reading Lists I and II offer guidance supplementary to that afforded by organized courses.
 4. A general knowledge of English and American social culture in its historical development.
 5. Some understanding of the more significant movements in the field of philosophy, especially as they bear on literature and art.
 6. A mastery, the more complete the better, of at least one language other than English. Besides the added understanding of general linguistic problems achieved through such mastery the intimate contact with a foreign culture entailed in a study of its language has a value attainable in no other way.

Students who have in mind to go on to advanced graduate work in English should recognize from the beginning that the best university standards will demand a thorough grounding in Latin—not less than the full high school course—and a reading knowledge of both French and German.

NOTE: Personal interests of the student — as Music, Art, phases of Social Science, or of Physical and Biological Science—may very properly be accorded such recognition in his program as to entail a sacrifice—at least in part—of one or more of the "objectives" listed.
- III. The minimum formal requirement for concentration in English is 24 hours of satisfactory work in the Upper Division: two C courses and two D courses.

FOREIGN LANGUAGES AND LITERATURES

(FRENCH, GERMAN, GREEK, ITALIAN, LATIN AND SPANISH)

CONCENTRATION IN THE FIELD

A student interested in the synthetic study of the complete field of foreign letters may, under an adviser appointed by the group, pursue work in the various departments of the group, thereby concentrating in the field. Such a student should hold non-credit bearing conferences from time to time with the faculty of the group, looking toward a comprehensive examination in the general field of foreign languages and literatures.

CONCENTRATION IN DEPARTMENTS

A student planning to concentrate upon any one of the foreign languages should have begun his study of that language before entering college. Preparatory work in some other language is also a distinct advantage.

Although the student is normally expected to concentrate in only one of the departments of Foreign Languages, he should acquire as broad an acquaintance as possible in all the other fields of literature represented in the group.

Eighteen to twenty-four hours of C and D work are required in the department concerned, in which at least a B average must be maintained. For a student desirous of doing more specialized work than is possible under the regularly scheduled offerings, the Honors program presents additional opportunity. At the end of the Senior year a comprehensive examination will be required.

LATIN AND GREEK

Concentration in the Classical Languages is designed to give a student a technical knowledge of the language and literature of his special interest and an appreciation of the life and institutions intimately connected with that literature.

The student of Latin is expected also to have an acquaintance with the Greek language and literature. It is not essential however, to take the lower division courses of Latin.

ROMANCE LANGUAGES AND LITERATURES

A student expecting to concentrate within the field of the Romance Languages and Literatures should be fortified with a pre-knowledge of Latin, and will find it much to his advantage to have begun the study of French or Spanish, or both, before entering college.

Concentration in a Romance Language and Literature is designed to provide: first, a broad general knowledge of both the language and literature of the student's special interest; and second, considerable knowledge, represented by not less than two years of college work in at least one other language of the Romance field.

A student who is well equipped in foreign language on entering college, is urged to take work in all three of the Romance Languages.

GERMAN

Concentration in German is designed to give the student a knowledge of the language and of the German civilization as represented by the best works of literature.

THE LIBERAL ARTS VIEWPOINT

Pomona holds that scholarship should not only be high but also broad and inclusive. It is not a professional school. It insists that the best preparation for life includes not only the ample, generous and complete training of the college course, such as is here given but also at a later period a thorough and definite professional specialization. The College has been singularly successful in permitting its body of students with these ambitions. A large percentage of its graduates have taken subsequent professional training, many winning scholastic awards in other institutions.

GENERAL PREPARATION FOR PROFESSIONAL SCHOOLS

The courses offered in Pomona College cover a broad range of the humanities and the sciences. In general, schools of business administration, journalism and law do not require a particular pattern of undergraduate work. On the other hand they are particularly interested in students who have had a broad liberal arts training and have learned how to study effectively, as evidenced by the quality of their undergraduate work.

Various combinations of fundamental courses are presented below as adequately preparing for later professional studies in engineering, medicine or education, where more specific prerequisites exist.

A SUGGESTED PRE-ENGINEERING COURSE

In the belief that the training of a liberal arts college, so essential to men in other professions, is essential to the engineer, Pomona has developed a series of courses to enable its graduates to enter the upper division work of engineering schools and to graduate therefrom in two years. Men during the first two years will take the same course regardless of the field of engineering contemplated.

FRESHMAN YEAR

Units

Chemistry B5 or B3 and B4.....	8 or 10
Mathematics A1	6
Math. A7 (Graphics).....	4
Foreign Language.....	6
Elective	8 or 6

JUNIOR AND
SENIOR YEARS

Mathematics D120	3
Astronomy or Geology.....	
Economics	
Physics C111 and D109.....	1
Mathematics D121	
Physics D220	
Physics D113	

SOPHOMORE YEAR

Economics B11	6
Mathematics B15	6
Math. B9 (Graphics).....	4
Physics B2 and B4.....	8
Elective	6

Pre-engineering students are advised to take in their Junior and Senior years as many as possible of the above courses in addition the six weeks' summer course in surveying at Berkeley Lake should be taken.

A SUGGESTED PRE-MEDICAL COURSE

Certain subjects have been designated by the Council on Medical Education of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the leading medical schools, however, have requirements well beyond this minimum, and from many more applicants than can be accepted, are selecting only those who are best prepared and have demonstrated the highest scholastic ability and laudable personal traits. Pre-medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build, in a more leisurely fashion, a broad educational foundation. Breadth of view, culture, and a thorough grounding in the biological and physico-chemical sciences are the objectives of the premedical course.

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of most of the medical colleges in the United States. It can readily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical school which the student may plan to attend.

FRESHMAN YEAR		JUNIOR YEAR	
	Units		Units
English A1	8	Biology B2a	4
Biology A1	6	Zoology C117	4
Mathematics A1	6	Chemistry B7	3
Freshman A1	6	Chemistry C103	6
Elective, Div. I or III	4	Chemistry C105	2
		Psychology B1	6
		Electives, Div. I or III	6
SOPHOMORE YEAR		SENIOR YEAR	
Chemistry B3 and B5	10		
Physics B2 and B4	8		
Freshman B3	6	Zoology C115	4
Electives, Div. I and/or III	6	Remainder all electives.	

The Chemistry courses may be spread to three years if preferred. See note, Chemistry Courses of Instruction.

A reading knowledge of both German and French is highly desirable. High School work in these languages and in Latin is recommended for those planning the medical course, and the program suggested above may be modified in accordance with pre-college preparation in these subjects.

In recently published information about subjects which medical schools do not include in the stated requirements, but which are to be recommended to pre-medical students, there is much diversity on many points, but practical unanimity on the desirability of these six points:

More than one year of English and public address; mathematics, at least through trigonometry; both French and German; economics, sociology and philosophy; both comparative anatomy and embryology; physical chemistry.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to supply the general background that an intelligent citizen should have regarding one of the most important of our social institutions and at the same time prepare the prospective teacher for the more technical training in the graduate school.

CERTIFICATES: In California every public school teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon the presentation to the county board of education of a credential issued by the state board of education through its commission on credentials.

It is the policy of Pomona College to encourage students preparing for teaching to supplement their undergraduate course with additional work at Claremont Colleges or at some other graduate school. The recommendation for the credential then goes direct from the graduate school, using as a foundation the undergraduate curriculum pursued at Pomona College.

While the requirements vary for different certificates, the candidate for a general secondary credential must present a major consisting of a minimum of 24 units of work, 12 of which are upper division in one subject matter field taught in high school; and a minor consisting of a minimum of 12 units, 6 of which are upper division in another subject matter field taught in high school.

Inasmuch as some increase in these requirements is being considered by the state board of education students who expect to enter the teaching profession in California should consult a member of the Education department by the beginning of their junior year.

A SUGGESTED PROGRAM for the prospective teacher:

FRESHMAN YEAR: Academic courses preparatory to the credential in view.

SOPHOMORE YEAR: Education B3; Psychology B1; further work in the subject-matter to be taught.

JUNIOR YEAR: Education C104; Psychology C107; further work in the subject-matter to be taught, or in related fields.

SENIOR YEAR: Education D215. A rounding out of the subject-matter to be taught.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS OF PHYSICAL EDUCATION

FRESHMAN YEAR		SOPHOMORE YEAR	
	Units		Units
English A1	8	Zoology B3	6
Chemistry B3	8	Sociology B21	6
Biology A1	6	Psychology B1	3
Hygiene A5	2	Music B3	6
Electives	8 or 9	Electives	9 or 10
JUNIOR YEAR		SENIOR YEAR	
Public Address B32.....	4	Physical Education C130....	3
Psychology C107	3	Education D215	3
Zoology C105	3	Physical Education D133....	3
Physical Education C126....	2	Physical Education D131....	3
Physical Education C127,		Chemistry C114	4
C128	4	Psychology C104	3
Physical Education C119		Electives	12
(for women)	2		
Education B3	3		
Electives	8 or 9		
6 units of required Physical Education Activities.			

It is suggested that the required Physical Education activities be so selected as to give the individual opportunity for both technical skills and leadership training in a wide range of activities.

A non-credit Camp Counselor's Training Course is held at Halona, the W.S. cabin at Idyllwild, for a two-week period immediately following Commencement. This course aims to provide its members with experience useful in camping and other types of leadership, such as teaching and community recreation.

This program followed by a year of graduate work in Claremont Colleges will qualify the student for the general credential with a major in physical education.

A reading knowledge of French and German is highly desirable for any students who plan to go on to graduate research in Physical Education.

DEGREE

Pomona College awards but one academic degree, that of Bachelor of Arts, which may be attained either in ordinary or in honors. The special procedure in honors study is given on page 5. The following requirements apply to all students.

UNIT REQUIREMENTS

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation, lecture period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of fifteen units of academic work throughout.

GRADE POINT REQUIREMENTS

In order to graduate a student must not only earn a certain number of units, but also attain an average of at least C grade in all units for which he has registered, or twice as many grade points as units. See grade and grade point schedule, following:

1. Grades and grade points are as follows:

Grade points per unit

A	4	(excellent)
B	3	(very good)
C	2	(average)
D	1	(passing)
F	0	(failure) may be made up to a "D" outside of class
FF	0	(failure) may not be made up except by repeating course
I (Incomplete)		
W (Withdrawn with permission while work was of passing grade or better)		

2. The F grade and the FF grade both indicate a failure. In the case of the F grade the failure incurred may be made up outside of class upon conditions laid down by the teacher, provided the conditions are met on or before the first day after the Spring vacation, if the failure is incurred in the first semester,* or on or before the first day of recitation of the next College year, if the failure was in the second semester. An F grade made up thus may not be raised above a D grade. An F grade not so made up remains permanently upon the records as a failure. A FF grade can be made up only by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated when next offered. A student may not continue with work in which he has received a FF. The making up of work which has received the F or FF grade does not expunge the grade from the record. It does permit credit and "grade points" for the course.

All F and FF grades reported by teachers are accompanied by a specific statement in writing of the cause for the failure.

etailed statement in case of the F grade of the work necessary for removal. A copy of this statement is mailed to students.

3. The I mark is given where illness on the part of a student justifies the granting to him of additional time for the completion of his work. It may be changed upon the same conditions as those laid down for the making up of the F grade, with this exception, that other than a D grade may be thus earned.* Teachers wishing to give an I grade for other justifiable cause than illness must first receive permission to do so from the Classification Committee.

4. The mark W is used where a student has withdrawn from a course in accordance with provision on p. 52.

DIVISIONS

The departments of the college are organized in three divisions as follows:

I	II	III
Art	Astronomy	Economics
English	Biology	Education
French	Botany	Government
German	Chemistry	History
Greek	Geology	Physical Education [†]
Italian	Mathematics	Religion
Latin	Physics	Sociology
Music	Military Science	
Philosophy	Psychology ¹	
Public Address	Zoology	
Spanish		

Psychology C107, Educational Psychology; and Psychology D112, Social Psychology, shall count for purposes of distribution in Division III instead of Division II.

Physical Education A5, Hygiene; C130, Kinesiology; and D131, Physical Education, shall count for purposes of distribution in Division II instead of Division III.

REQUIREMENTS FOR GRADUATION**

1. 126 units total, including six units of Physical Education Activities, four of which must be taken in the first two years and two in the last two years of the course.

* I or O grades incurred during the first semester of year courses, may be removed on the recommendation of the teacher concerned, by the successful completion of the work of the final semester.

Prior to graduation, all students are required by the laws of the State of California to pass a course or an examination on the Constitution of the United States. This requirement may be met by Government A2a, B3a, D113a, D114, History B5a. Those students who have not completed the Constitution requirement for graduation by the opening day of senior year will be required to register for a course meeting the requirement during the first semester of senior year, save as exceptions may be made by action of the Classification Committee.

For Distribution:

2. By the end of the Junior year, in each division:
A year's work of not less than four units in each of two departments.
Normally a student should plan to meet this requirement by the end of the Sophomore year.
3. Not more than 52 units total for credit in any one department.

For Concentration:

4. 36 C and D units, of which at least 12 are to be in one department.

These General Requirements are designed to protect the student against gross errors in shaping his collegiate program. They intentionally leave him a great deal of freedom to shape his course of study according to his interest. In the exercise of this freedom will be the part of wisdom for him to take advantage of the working organization of the curricular program into sequences of courses, departments and divisions, looking upon these things as aids which he, as student, may avail himself in the process of securing an education. Courses, etc., are, however, merely aids toward, not substitutes for, reading, reflection and independent study.

CHOICE OF SUBJECTS

In the planning of his work the student in Pomona College is given a large range. The only limitations are designed to insure to him, on the one hand, the breadth of view which may be gained by some study of each of the great realms of knowledge; and, on the other, that concentration along a chosen line of work which shall develop power of thought and an actual fund of knowledge in some particular field.

In selecting his courses of study and also in determining his outside reading the student should have as his fundamental purpose while in college to become familiar with the principal phases of the intellectual culture of mankind. This involves the following essential features:

1. Acquaintance with great literature.
2. Comprehension of the principal concepts of natural science, both physical and biological.
3. Familiarity with present-day established conceptions of social order and an intellectual grasp of contemporary social problems.
4. Some philosophical appreciation of the general nature of the universe and an evaluation of human ideals, both moral and religious.

THE FACULTY REGULATION ON ENGLISH

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Before any student is accepted to upper division standing he must satisfy a committee of the College of his ability habitually to use English of good quality. On the recommendation of this Committee, a student whose English is persistently unacceptable may be required to withdraw from the College at the end of any semester by the joint action of the College Life and Classification Committees. Habitual and flagrant misspelling is considered a deficiency in English to which this regulation applies.

Responsibility for raising the level of a student's use of English lies solely with himself, inasmuch as it is not the policy of the College generally to undertake the teaching of basic secondary school subjects. Students who have weakness in expressing themselves in their mother tongue should bear in mind the value of certain important courses offered by the Department of English.

CONCENTRATION IN SPECIAL FIELDS

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

1. Lower Division Preparation: There must be sufficient Lower Division work in the special field and in allied fields to ensure adequate preparation for carrying successfully the Upper Division work.

2. Upper Division Requirement: Not less than eighteen hours of Upper Division (C and D) work in the field of concentration; six of these eighteen hours must be of D rank, and six of them must be taken during the Senior year.

3. Foreign Language: For advanced work in most fields a reading knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is most desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college.

4. Comprehensive Examination: In most fields the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration lies.

5. Adviser: That member of the faculty in whose field a student is working intensively becomes the student's official adviser during his Junior and Senior years. It will be well for the student to consult his prospective adviser even earlier in his course.

The application of these ideas involves to such a degree a recognition of differences between fields of learning and between the individualities of students that no summary statement of them could be thought of as complete. The attention of those interested in special fields is therefore directed to the more extended presentations of work in various fields together with certain pre-professional courses which are found on pages 59-69.

COURSES OF INSTRUCTION

DESIGNATION OF COURSES

The letter preceding the number in the designation of a course indicates in general its grade. Elementary courses, designated by A (as English A1) are given in Freshman or Sophomore year; courses are either those which follow the A course of earlier year or the more advanced beginning courses; C and D Courses are advanced courses given to Juniors and Seniors, D courses being the more difficult. The natural sequence of courses is from A to B, B to C, and C to D, and a student may not enter a C or D course without previous work in the same line.

Courses with numbers below 100 are underclass courses; those numbered from 100 to 199 are for Juniors and Seniors; those numbered over 200 are not open to students of less than Senior standing.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-unit courses are offered, two such courses should be completed to secure the counting of units and grade-points toward graduation.

When courses in different semesters have the same general number and are connected by a hyphen thus, B1a-B1b, they cover a common subject and the entire sequence should be taken. If, however, they are connected by a comma, thus, B1a, B1b, although the course extends throughout the year, independent credit is given for the work of the first semester and the first course may be followed by some allied subject instead of the next course in the sequence. Entrance to the second semester course is by permission of the instructor.

All courses are three units each unless otherwise designated.

Roman numerals show the periods of recitations. Two courses with the same Roman numerals cannot be taken contemporaneously unless the numerals are preceded by different letters (as M or W) showing that the classes meet on different days of the group.

	8:00	9:00	10:00	11:00	1:15	2:15	3:15
MWF....	I	III	V	VII	IX	XI	XIII
TThS....	II	IV	VI	[Th-Assembly X XII XIV T-Chapel Except Saturday			

Hours to be arranged—A.

If a letter precedes the numeral, the class meets only on the day of the group.

THREE YEAR PROGRAM OF UPPER DIVISION AND GRADUATE WORK

To enable Junior College graduates and others who enter with advanced standing to continue their education on the basis of a three-year program leading to the Master's degree as well as a

the Bachelor's degree, Pomona College and Claremont Colleges have planned their offerings so that the closest articulation of under-graduate and graduate study is possible. Graduate work in the literatures, in the social sciences, in the biological and physical sciences, in philosophy, psychology, religion, and in the fine arts and music, along with professional work in public school education and in psychology is conducted by Claremont Colleges using the combined staffs of Scripps College and Pomona College as well as its own appointees. This work is usually characterized by an informal mode of instruction possible only in an institution of this type where the standards are high and the number of students is limited. A catalog of graduate seminars will be furnished upon request to the Director of Studies, Claremont Colleges, Claremont, California.

COURSES IN SCRIPPS COLLEGE

In addition to the courses listed below there will be announced at time of registration certain courses in Scripps College open for Pomona students under approved conditions. Each regular student in residence in Pomona College shall, however, select not less than half of his registration each academic year from courses in Pomona College.

Anthropology

See Sociology.

Art

For each unit of credit in Art, except in C111, there is required a minimum of one hour of assigned reading and two hours of studio work per week. Students are urged to prolong these periods when other work permits, as they will then make more rapid progress.

The total number of hours of Applied Art accepted toward graduation is 16, so distributed as not to exceed 3 A hours, 3 B hours, 5 C hours, and 5 D hours. In courses where lecture and laboratory work are combined, the work is counted half theory and half applied.

Special fees for work in applied art are as follows: A9, B25, C107, D112, \$12.50 per unit. All other courses \$5 per unit.

A3a-A3b. Design and Drawing.

MR. BEGGS

The study of order in the graphic arts. The appreciation of form and its expression in pencil, charcoal and color. 2 units.
WF, 1:15 to 3:05.

A9a-A9b. Modeling.

MR. JURECKA

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. Two sections. *TTh*, 1:15 to 3:05. *WF*, 3:15 to 5:05.

B3a, B3b. Composition.

MR. BEGGS

Pictorial Design in various media requiring a sketch each week on an assigned subject of an illustrative or decorative nature. To be taken in conjunction with another applied art course; may be repeated for credit. 1 unit. *W. VII.*

B11a-B11b. Advanced Drawing and Design.

MR. BEGGS

The rendering of form, particularly the head, in charcoal, lithograph crayon and water color. This may be related in the second semester to industrial, commercial or fine art problems according to individual preference. 2 units. *TTh*, 1:15 to 3:05.

B25a-B25b. Advanced Modeling.

MR. JURECKA

Problems in applied ornament. Portrait study from cast and living model. Studio methods; casting and armatures. 2 units. *TTh*, 3:15 to 5:05.

C103a-C103b. Life Drawing.

MR. BEGGS

Anatomical function and the construction of the human form. Prerequisite B11a-b or equivalent. 2 units. *TTh*, 3:15 to 5:05.

C107a-C107b. Life Modeling.

MR. JURECKA

Modeling from life. Figure, portrait in the relief and in the round. Laboratory and related work. 2 units. *WF*, 1:15 to 3:05.

C111a-C111b. History of Art.

MR. BEGGS, MR. ROBBIN

and MR. BAUMANI

Study of the historical development of art with especial attention to national genius and expression. The Classic, Early Christian, Byzantine and Medieval Periods will be studied in the first semester, and Renaissance, Baroque, Neo-Classic, Romantic Realistic and Contemporary Art in the second. *III.*

C120a-C120b. Painting.

MR. BEGGS

Practice in Still-life and Landscape is adapted to a study of the techniques of various historic schools of oil painting. These are explained by means of a system of set palettes which afford a understanding of painting principles and an opportunity for the development of individuality of manner. 2 units. *WF*, 3:15 to 5:05.

D105a-D105b. Advanced Painting.

MR. BEGGS

Attention is given to the completion of easel pictures including the portrait and the decorative composition. A large finished canvas is required in the second semester. 2 units. *A.*

D112a-D112b. Advanced Life Modeling.

MR. JURECKA

Advanced composition in both relief and the round. Development of original conceptions. Study of color effects in sculpture. Laboratory and related work. 2 units. *WF* 1:15 to 3:05 or

GRADUATE WORK in the history of art and architecture and in applied art is available under the auspices of Claremont Colleges.

Astronomy

B1a-B1b. An Introduction to Astronomy.

MR. WHITNEY

Presents the general facts of historical and modern astronomy in non-technical form suited to students with a minimum of science preparation. An acquaintance with the starry heavens is sought and an appreciation of man's relation to the surrounding universe. Regular evenings with the telescopes at the Brackett Observatory are supplemented by group projects and field excursions. Classroom two hours per week; observatory, etc., one period per week.

For students with satisfactory preparation in physical science and mathematics, additional work in class and laboratory is offered, giving 1 additional unit of credit; the extra time to be arranged. Laboratory fee \$3.00 per semester. 3 or 4 units. VII and A.

Note: Students in upper division courses in the department participate in certain regular observing programs, full expression being given to individual aptitudes and preferences. These observations deal principally with the varying activities of the sun, certain phases being periodically reported to the Observatory of Paris on an international schedule, in which the Brackett Observatory is a cooperating member. The general prerequisites for upper division courses in the department are Astronomy B1 or its equivalent or a satisfactory preparation in physical science.

C101a, C101b. The Sun and the Weather.

MR. WHITNEY

A laboratory course consisting of regular observations of sun spots, prominences, solar eruptions and the heat received from the sun; the correlation of solar activity with terrestrial phenomena and world weather; the operation and maintenance of the weather bureau instruments at the observatory; visual and photographic studies and classification of cloud formations and the general principles of weather forecasting. Laboratory fee \$3 per semester. 2 units. A.

C103a-C103b. Practical Astronomy and

Navigation.

MR. WHITNEY

Deals with practical problems in astronomy and the compilation and reduction of the data obtained. Observations with the telescope, transits, and sextant are also applied to the determination of time, latitude, and longitude in a study of the theory and practice of marine and aerial navigation. Classroom and laboratory 3 units. Laboratory fee \$3.00 per semester. A.

D105. Celestial Mechanics.

MR. WHITNEY

A short course in the application of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems

on the prediction of eclipses and occultations and on the computation of the orbits of comets, etc. 3 units. First semester. *A*.

D106. Astrophysics.

MR. WHITNEY

Considers the applications of the principles of modern physics and chemistry to a study of stellar and cosmic problems and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations are both visual and photographic. Classroom one hour; observatory two periods. Laboratory fee, \$3.00 per semester. Second semester. 3 units. *A*.

D230. Investigations in Astronomy.

MR. WHITNEY

A unified program of investigation in some particular field such as variable stars, double stars, solar radiation, meteor observations, etc., is arranged. Each semester 1 to 4 units. May be repeated for credit. Laboratory fee, \$2.00 per unit per semester. *A*.

GRADUATE WORK in Astrophysics and Celestial Mechanics is available under the auspices of Claremont Colleges.

Biology

A1a-A1b. General Biology.

MR. HILTON, MR. MUN
and ASSISTANT

A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the project method it will be fitted to the preparations, needs, and interests of individuals or groups. Class *M* and *W*, or *F*, *VII*; laboratory, field trip, or demonstration *M, T, W, Th* or *F*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

B2a, B2b. Advanced Biology.

MR. HILTON and MR. MUN

General Zoology first semester. General Botany second semester. A general survey of the animal and plant kingdoms, dealing with classification, structure and life-processes of biological groups. Prerequisite: Biology A1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the division. 4 units. Class, *TTh, II*; laboratory, *TTh*, 1:15-4:10. Laboratory fee \$8.00 each semester.

C105. Bacteriology.

MRS. DA

General study of important bacteria, methods of culture, and study, and importance in disease and agriculture. Prerequisite: one year of biological work. First semester. Class, *S*, laboratory, *MW*, 1:15-4:10. Laboratory fee, \$8.00. Break deposit, \$5.00.

C107. Genetics.

MR. MUNZ

A non-laboratory course covering modern developments in the study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems and discussions. Prerequisite: one year of biological work. First semester, *VII*. Fee, \$3.00.

C108. Bionomics.

MR. HILTON

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to those who have had a year of biological work. May be taken with Zoology D131 for three hours. Second semester. 2 units. *MW, I*.

The scientific collections and library available at Claremont, as well as the geographic location, make desirable certain types of work for the master's degree, particularly in Entomology, Neurology, certain phases of marine and desert Ecology, Anatomy, Plant Morphology, Algae, and Plant Taxonomy.

Botany

34. Field Botany.

MISS YOUNGBERG

An elementary non-technical course in local flora, with much field work. No prerequisite. Second semester. 2 units. Class, *S, II*; laboratory, *F, 1:15-4:10*. Laboratory fee, \$3.00.

C123. Plant Physiology.

MR. MUNZ

A study of physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching of biology, and for botany majors. Prerequisite: Biology B2b. Second semester. Class, *WF, I*; laboratory, *W, 1:15-4:10*. Laboratory fee, \$8.00. Breakage deposit, \$5.00. (*Omitted in 1939-1940*).

D125a, D125b. Taxonomy.

MR. MUNZ

Study of our local flora and more common cultivated ornamentals. Principles and methods of classification and taxonomic work. Much field work with trips to desert, mountain, and shore for study of plants in their native conditions. Prerequisite: Biology B2b. First semester, Class, *WF, III*; laboratory, *M, 1:15-4:10*. Second semester, Class, *F, III*; laboratory, *MW, 1:15-4:10*. Laboratory fee, \$7.00 each semester. Alternates with D127.

D127a, D127b. Anatomy and Comparative Morphology of Green Plants.

MR. MUNZ

The anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories,

evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Biology B2b. Class *A*, laboratory, *M*, 1:15-4:10. Laboratory fee, \$7.00 each semester. Alternates with D125. (*Omitted in 1939-1940*).

D131. Botanical Problems.

MR. MUNZ

Special work, largely individual, and primarily for majors in the department. Each semester. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. *A* Laboratory fee, \$2.00 per unit of credit.

Zoology

B3a, B3b. Physiology.

MRS. DARR

The functions of animals, with special reference to the human body. Prerequisite: Biology A1, Class periods, *MF, I*; laboratory, *F* 1:15-4:10. Laboratory fee, \$6.00 each semester.

B4. Field Zoology.

MRS. DARR

An elementary non-technical course in natural history of local vertebrates. Largely field work, dealing with recognition of common forms, life histories, food habits and ecological factors in distribution. No prerequisite. Second semester. 2 units. Class *T, IV*. Laboratory *Th*, 1:15-4:10. Laboratory fee, \$3.00.

C105. Human Anatomy.

MRS. DARR

A course designed to meet the requirements of majors in physical education. Prerequisite: Biology A1 and Zoology B3. Second semester. Class, *W, I*; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$6.00.

C115. Comparative Anatomy.

MRS. DARR

A study of the structure of vertebrates. Prerequisite: Biology B2a. First semester. Four units. Class, *TTh, II*; laboratory, *T, Th*, 1:15-4:10. Laboratory fee, \$8.00.

C117. Embryology.

MR. HILTON

A study of early development and the formation of organs, with especial reference to vertebrates. Prerequisite: Biology B2. Second semester. Four units. Class, *TTh, II*; laboratory, 1:15-4:10 and three hours to be arranged. Laboratory fee, \$8.00.

C118. Entomology.

MR. HILTON

A general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Biology B2. Second semester. Class, *T, IV*; laboratory, *A*. Laboratory fee, \$6.00.

D113. Histology.

MR. HILTON

The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology B3 or Biology B2. First semester. Class, *T, IV*. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$8.00.

D114. Neurology.

MR. HILTON

A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. Prerequisite: Zoology D113. Second semester. Class *T, IV*. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$6.00. (*Omitted in 1939-1940*).

D131. Zoological Literature.

MR. HILTON

Reviews of important contributions in all fields of recent Zoological literature. Open to Juniors and Seniors. Second semester. May be repeated for credit. 1 unit. *F. I.*

D135. Zoological Problems.

MR. HILTON AND MRS. DART

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy or Embryology and have had B work in Zoology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Either semester, 1 to 3 units. *A.* May be repeated for credit. Laboratory fee, \$2.00 per unit when Laboratory work is involved.

Chemistry

NON-TECHNICAL COURSES

1a, A1b. A Survey of Chemical Science.

MR. TYSON

For students who do not have in mind a scientific career, but wish to gain some knowledge of the physical sciences as part of a general education. By confining the scope of study to one field, effort is made to give the student satisfactory depth of understanding of scientific method and the philosophy of science. Emphasis is laid on the place of chemistry in human affairs. No laboratory work is required. *V.* Fee, \$2.00 each semester to defray expenses of lecture demonstrations.

114a-C114b. Nutrition and Foods.

MR. ROBINSON

A survey of present-day knowledge of the nutritional factors necessary for optimum health, the various classes of food-stuffs and their nutritional value, the food budget, purchasing, and planning the dietary to meet the requirements of different individuals and groups. No prerequisites. 2 units. *TTh, II.*

FOUNDATION TRAINING FOR SCIENCE STUDENTS

Note: A comprehensive foundation in chemistry is required for majors in chemistry and in the biological-chemical field, for pre-medical students and for some other fields of scientific work. Such a foundation includes courses in inorganic, analytical and organic chemistry, with elementary physical-chemical principles

applied in all of these branches. The student may complete this foundation work in two years or in three years, as he prefers

	First Year	Second Year	Third Year
Two Year Program:	B3a-B3b B5a, B5b	C103a-C103b B7, C105	
Three Year Program:	B3a-B3b B4a-B4b	B7, B5b	C103a-C105 C104a-C104b

Students who have a professional objective requiring only one year of chemistry should find out whether qualitative analysis is to be included. If so, registration should be for B3a-B3b and B5a, B5b (10 units). Those to whom qualitative analysis is not important should register for B3a-B3b and B4a-B4b (8 units).

B3a-B3b. Inorganic and Elementary Theoretical Chemistry.

MR. ROBINSON

Lectures, demonstrations and discussions in which attention is given to the philosophy of the scientific method and to the significance of scientific developments in human affairs, as well as to the more technical aspects of the science of chemistry. Special provision is made for those who have not had secondary school chemistry. This course is to be accompanied by a laboratory course, either B4a-B4b or B5a, B5b. *IV*.

B4a-B4b. Laboratory Studies in General Chemistry.

MR. ELLIOT

Concurrent with B3a-B3b. 1 unit each semester. Laboratory *or W*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

B5a, B5b. General Chemistry Laboratory and Qualitative Analysis.

MR. TYSON

Concurrent with B3a-B3b; or B5b may be taken independently. The first semester covers the same ground as B4a-B4b; 2 units. The second semester is laboratory practice in systematic qualitative analysis; 2 units. Laboratory *ThF*, 1:15-4:10. Laboratory fee, \$10.00 each semester.

B7. Elementary Quantitative Analysis.

MR. ELLIOT

The principles of quantitative analysis and chemical calculation. Laboratory practice in the simpler gravimetric and volumetric methods. Prerequisite: One year of college chemistry with laboratory. First semester. Class, *S. II*; laboratory, *WF*, 1:15-4:10. Laboratory fee, \$10.00.

C103a-C103b. Organic Chemistry.

MR. ROBINSON

Lectures, demonstrations and discussions, relating to the chemistry of carbon compounds, including a survey of physical and chemical fundamentals and their application in this field. Practical developments of organic chemistry are stressed. It is expected that laboratory work (C104a-C104b or C105) shall be completed.

current with this course. Prerequisite: At least one year of college chemistry, including laboratory work. *VII.*

104a-C104b. Laboratory Methods of Organic

Chemistry.

MR. ROBINSON and ASSISTANTS

Reactions and syntheses of carbon compounds. 1 unit each semester. Laboratory, *T* or *W*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

105. Laboratory Methods of Organic Chemistry.

MR. ROBINSON and ASSISTANTS

For students who wish to take Chemistry B7 the first semester. Covers in one semester the same work done in C104a-C104b. Second semester, 2 units. Laboratory, *TW*, 1:15-4:10. Laboratory fee, \$12.00.

107. Advanced Quantitative Analysis.

MR. ELLIOTT

A continuation of Chemistry B7 for those students who wish to gain a more comprehensive knowledge of the theory and practice of quantitative analysis. Second semester. Three laboratory periods, *WF*, 1:15-4:10 and *A*. Conferences will be held during laboratory periods. Laboratory fee, \$10.00.

ADVANCED COURSES FOR STUDENTS CONCENTRATING IN CHEMISTRY AND BIOCHEMICAL SCIENCES

115a-D115b. Biological Chemistry.

MR. TYSON

The chemistry and physical chemistry of materials important in plant and animal organisms, and chemical aspects of the life processes of organisms. Most of the laboratory experiments employ quantitative technic. Prerequisite: General, analytical and organic chemistry. Class, *WF*, *III*; laboratory, *W*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

119a, D119b. Physical Chemistry.

MR. ELLIOTT

A general review of the fundamental physico-chemical concepts and principles with numerous illustrative problems, and laboratory practice in physico-chemical measurements. Prerequisite: For the first semester, a C course in either chemistry or physics; for the second semester, differential and integral calculus are also required. Class, *TTh*, *VI*; laboratory, *M*, 1:15-4:10. Laboratory fee, \$8.00 each semester.

120. Crystal and Molecular Structure.

MR. ELLIOTT

Theoretical and practical work in the analysis of the structure of crystals by means of X-Rays. May be taken as a continuation of Geology C105. Prerequisites: A B course in mathematics and a B course in either chemistry, geology or physics; also

the consent of the instructor is required. Second semester, A. Laboratory fee, \$6.00.

D121a, D121b. Chemistry Conference.

THE STAFF

Oral or written reports by students, on material found in current chemical literature; discussions of research methods, the trend of present-day research, and recent developments in theoretical and applied chemistry. Each semester. One unit. *M, IX*. May be repeated for credit.

D151a, D151b. Methods in Chemistry.

THE STAFF

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, or biological chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of such course and written reports are required. Prerequisites: Analytical and organic chemistry and consent of instructor. 2 or 3 units. *A*. Each semester. May be repeated for credit. Locker fee, \$3.00 and deposit of \$15.00 to cover breakage and supplies used.

D201a, D201b. Research in Chemistry.

THE STAFF

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or biological chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 2 units. *A*. Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used.

GRADUATE WORK in History of Chemistry as well as in a considerable range of specialized fields of Chemistry is available under the auspices of Claremont Colleges.

Classics

GREEK

B1a-B1b. Elementary.

MR. ROBB

First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature. Book I of Homer's *Iliad*. *IX*. (*Omitted in 1939-1940*).

C101a, C101b. Selections from Greek Literature. MR. ROBB

Two sequences of readings are offered in alternate years: Herodotus, Plato, Homer, Greek comedy and tragedy, the New Testament. Studies in morphology and syntax are regular features of the work. The course may be repeated for credit in successive years. *IX*. (*Omitted in 1939-1940*).

LATIN

A1a-A1b. Elementary.

MR. ROBBINS

An introductory course in the rudiments of the Latin language with emphasis upon the relation of Latin to English and the Romanic languages. *VII*.

B3a-B3b. Cicero, Pliny and Horace.

MR. ROBBINS

Cicero, *De Senectute*; Pliny, *Selected Letters*; study of the life and times of the late Roman republic and early empire. Horace, *Odes and Epodes*; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. *IV*.

C105a-C105b. Composition.

MR. ROBBINS

Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be re-elected with credit and is required of students majoring in Latin. *A*. One unit.

C106a, C106b. Masterpieces of Greek and Roman Literatures in Translation.

MR. ROBBINS

Extensive readings in the literatures of Greece and Rome through the medium of English translation as a basis for the study of classical civilization and culture. The influence of the classics upon English and other modern literatures is stressed. No knowledge of Latin and Greek languages is required. *II*.

C107a, C107b. Roman Comedy and Elegy.

MR. ROBBINS

Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. *I*.

C109a, D109b. Roman History and Biography.

MR. ROBBINS

Two sequences of readings are offered in alternate years: a, Roman philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for credit in successive years. *XIII*. In 1939-1940 sequence b.

GRADUATE WORK in Roman Literature is offered under the auspices of Claremont Colleges.

Economics

A5a-A5b. Accounting.

MR. NESS

A study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. *MF, VII*, and *T or W, 1:15-4:05*.

B11a-B11b. Principles of Economics.

MR. DUNCAN
and MR. NES

The basic course in the general principles of Economics, including current problems. Required for students expecting to emphasize the study of Economics, and prerequisite for upper division courses in Economics. Not open to Freshmen. Economics A not prerequisite for Economics B11. Two sections. *I, III.*

C105. Money and Banking.

MR. NES

Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to supply society with adequate media of exchange. First semester. *V.*

C106. Public Finance.

MR. DUNCAN

Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. First semester, *VII.*

C107. Agricultural Economics.

MR. BURGESS

A study of the application of economic principles to certain problems of agriculture, such as land tenure, transport, labor, marketing and prices. First semester. *III. (Omitted in 1939-1940)*

C110. Corporation Finance.

MR. DUNCAN

Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including some study of cooperative organizations. Prerequisite: Economics A5, or equivalent training in Accounting. First semester. *I*

C120. Public Utility Economics.

MR. NES

An historical and analytical study of public utility problems in the United States. Illustrative material is drawn from the railway, gas and electric utilities, but particular emphasis is laid upon the economics of overhead costs, the role of competition and regulation. Second semester. *V. (Omitted in 1939-1940).*

D113. International Economic Policies.

MR. COOPER

A study of the basic factors in international economic relations and conditioning the formulation of international economic policies. A survey of mercantilism, liberalism, socialism, industrialism, nationalism and imperialism, emphasizing international economic aspects. International economic adjustments subsequent to the World War, and international economic factors in depression. Commercial treaties. First semester. 3 units. *TTh, 2:30-3:30.*

D115. Principles of International Trade.

MR. NES

A study of the nature and principles of international economic relations. An analysis of the balance of payments and the processes of its equilibrium is followed by a study of the causes and theory of the commodity trade and the movement of capital and labor from country to country. Second semester. *VI.*

17. Economic Problems of the Orient. MR. DUNCAN
A study of the economic, social and political problems of the Far East with special reference to current conditions in China. Enrolment restricted to seniors expecting to concentrate in Social Science and to others by special consent of instructor; previous courses in Economics not prerequisite. First semester. *VII*. (*Omitted in 1939-1940*).
19. Monopolies and Trusts. MR. BURGESS
A study of the economic principles and the legal status of monopolies. Second semester. *III*.
20. History of Economic Thought. MR. COONS
A survey of the development of economic science and policy from the forerunners of the classical school to the present day. Second semester. 3 units. *TTh, 2:15-3:30*.
250. Economic Cycle Theory. MR. HUBBARD
An introduction to the general problem of economic change and the theory of cycles. The course includes an explanation of the simpler statistical methods employed in cycle analysis and particular attention is given to the phenomena of the depression period of the '30's and various proposals for the control of cyclical movements. Business barometers and the problems of forecasting economic change. Mathematics B8 or equivalent training in statistics is recommended before enrolling in this course. Second semester. *VII*.
51. Economic Theory. MR. NESS
A systematic study of the theoretical tools of analysis used in the consideration both of the economic system as a whole and the particular problems which arise within it. First semester. *V*.

Education

- Introduction to Education. MR. FITTS
A course designed for those who desire an understanding of the American school system. The outstanding problems of present-day education are examined and certain approaches to a solution of these problems are discussed. This course or equivalent prerequisite for other courses in Education. First semester, *III*. Second semester, *IV*.
- 04a, C104b. History of Education. MR. FITTS
The development of educational theory and practice from the Greek period to the present, with an attempt during the second semester to make a comparison of the established systems in America and typical European countries. History A1 or equivalent recommended as a prerequisite. 3 or 4 units. A registration of 4 units requires permission of the instructor. *VII* and *A*.

D215. Principles of Secondary Education.

MR. FITZ

The factors and principles which underlie the theory and practice of secondary education, including the junior high school, the senior high school and the junior college. Second semester. *I*.

A wide range of graduate work in Education leading to the various credentials as well as to the degree of Master of Arts offered under the auspices of Claremont Colleges.

English

Writing and Speech are emphasized feature of all Lower Division courses. Persons who plan to concentrate in English should complete Reading List I before the beginning of the Junior year.

A1a, A1b. English: An Introductory Course.

THE DEPARTMENTAL STAFF

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the most important literary types; instruction and practice in writing a speech. 4 units. Prerequisite for all other departmental courses. Men: *WF, I*; section meetings at *II*. Women: *TTh, II*; section meetings at *I*.

B5a, B5b. Nineteenth Century Literature.

MISS WOMAN

An introduction to literary history and criticism, with intensive study of the poetry and non-narrative prose of the period and collateral reading in the novel. Upper Division students must register for the course only on the written recommendation of the instructor. *III*.

B9. Types of Prose Fiction.

MR. DAVIS and MR. ANGELO

A general survey of important works in prose fiction with emphasis upon the development and recurrence of significant phases within the type, such as tale, romance, novel. Two sections. First semester. *V*.

B10. Introduction to Drama. MR. FRAMPTON and MR. ANGELO

Great plays of various periods from the classic Greek to the present day; as extensive reading as time will permit. Two sections. Second semester. *V*.

B11. Character Presentation in Dramatic Literature.

MR. PHILBRICK

The theory and technique of character presentation as found in selected plays. The course looks toward character-interpretation through the actor's art. Permission of the instructor must be secured before registration for this course. First semester. *VI*.

1. English Composition. MR. FRAMPTON, MISS WOMACK
The fundamentals of effective expression in writing, with considerable attention to the composition of the "course paper." First semester. Two sections. *IV*.

2. Advanced Composition. MR. LINCOLN
A course for students who have mastered fundamentals. Registration limited to twenty. Prerequisite: A degree of distinction in Course B21 and the permission of the instructor. Second semester. *IV*.

ADVANCED COURSES

A substantial acquaintance with the books of Reading List I is most desirable as a preliminary to registration in Upper Division courses.

01a, C101b. The Renaissance in England. MR. STRATHMANN
English literature of the Renaissance, dramatic and nondramatic, Spenser, Shakespeare, Bacon and Milton being main figures and the enduring contributions of the Renaissance in thought, forms, and materials being a major topic. (*Omitted in 1939-1940*).

03a, C103b. Literature of the Eighteenth Century.
MR. MCCULLEY
The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and on the Continent. *III*.

05a, C105b. American Literature. MR. LINCOLN
The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. *VI*.

11. The Short Story. MR. FRAMPTON
Practice in supervised writing of short stories. Study of significant short stories. First semester. *V*.

12. Playwriting. MR. PHILBRICK
The theory of playwriting with supervised practice in this technique. A study will be made of the structure and style of significant plays for their light on the problems of the beginning playwright. Second semester. *V*.

21a, D121b. Creative Writing. MR. LINCOLN and
MR. FRAMPTON
Supervised practice in all forms of creative writing. Study of matters and fields of literary interest. *T, X and XII, and F, IX*.

D123. Chaucer.

MR. LINCOLN

A study of Chaucer as the outstanding narrative and drama poet of the transition from the medieval to the modern world. First semester. *III*.

D124. The English Language.

MR. DA

A survey of the English language from Chaucer to the present day with emphasis on the development of vocabulary, grammar and syntax. Critical theories of language in relation to literature will be given due attention. The course is recommended especially to prospective teachers of English. Second semester. *I*.

D125a, D125b. Shakespeare.

MR. FRAMPTON

A study of the principal plays. *VII*.

D127. Literary Criticism.

MR. FRAMPTON

An examination of the bases of literary criticism; studies of outstanding modern critics; frequent practice in supervised critical writing. First semester. *VI*.

D201a, D201b. The Great Victorians and Their Successors.

MR. DA

Recent literature in English considered as an outcome of nineteenth century backgrounds and main currents of modern thought. The first semester of the course comes to a focus on Arnold and Meredith; the second culminates in the literary activities of our own day. Required of students concentrating in English. Prerequisite: English B5 or an equivalent. *IV*.

The opportunity for graduate work in English provided by colleges of the Claremont group is quite extensive. In the study of literature and literary history it includes the more important authors and movements from Chaucer's time to the present. There are offerings too, though considerably more limited, in English language and creative writing. The student who proposes to go on into graduate study is advised to plan his work in this course from at least as early as his junior undergraduate year.

French

See Romance Languages and Literatures.

Geology

B1a, B1b. Introductory Geology.

MR. WOODFORD

Dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Class, *WF, I*; laboratory, *W* or *Th, 1:15-4:15*. Laboratory fee, \$3.00 each semester.

. Determinative Mineralogy. MR. WOODFORD
Prerequisite: High school chemistry or equivalent. First semester. Two laboratory periods. 2 units. *A*. Laboratory fee, \$4.00.

105. Crystallography MR. WOODFORD
Must be preceded or accompanied by Geology B3, unless taken upon the recommendation of the Department of Chemistry or of Physics. First semester, 2 units. *WF, V*.

10. Petrology. MR. WOODFORD
The study of rocks without the microscope. Prerequisite: Geology B1a, B3 and C105. Second semester. Two class and two laboratory periods. 4 units. *WF, V*. Laboratory fee, \$4.00.

07a-C107b. Invertebrate Paleontology. MR. WOODFORD
Prerequisite: Geology B1b; recommended preparation: Biology B2a. Two class and one laboratory periods, first semester; one class and two laboratory periods, second semester. *A*. Laboratory fee, \$6.00 each semester. Given alternate years.
(*Given in 1939-1940*).

04. Field Geology. MR. WOODFORD
Prerequisite: Geology B1b, C110. A summer course of three or six weeks. 3 or 6 units. *A*.

11-D112. Petrography. MR. WOODFORD
Refraction and double refraction; the optical indicatrix; study of minerals and rocks with the petrographic microscope. Prerequisite: Geology C105. Two class and one laboratory period, first semester; one class and two laboratory periods, second semester. *A*. Laboratory fee, \$5.00 first semester; \$8.00 second semester. (*Omitted in 1939-1940*).

30, D131. Geological Investigation and Research. MR. WOODFORD
3 units. *A*. Laboratory fee, \$4.00 each semester.

GRADUATE WORK in Geology with special reference to Petrography is offered under the auspices of Claremont Colleges.

German

1-A1b. Elementary German. MISS WAGNER
The acquirement of a small working vocabulary. Constant ear-training, and as much practice in speaking as time permits. Daily exercises in reading and writing. The essentials of grammar. Etymology. Comment on German life and literature. *III, IV*.

B. Elementary and Advanced German. MISS WAGNER
Two years in one. 6 units. *V, VI*.

B3a-B3b. Advanced German.

MR. BAUMAN

More advanced German language study through intensive reading and discussion of selected German works, with considerable extended reading in the field of the students individual interest. Continued practice in German conversation. Some attention to an understanding of the cultural life of Germany, Austria and Switzerland. Prerequisite: German A1 or an equivalent. *II*.

C102a, C102b. Conversation and Composition.

MISS WAGNER

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation. Prerequisite: German B3 or equivalent. *IX*.

C109a, C109b. German Literature of the Nineteenth Century.

MR. BAUMAN

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German B3 or equivalent. *VI* and *A*.

C113. German Classics of the Eighteenth Century.

MR. BAUMAN

A study of the outstanding works and personalities of the period with particular attention to the social and political life of Germany. *XI*. (*Omitted in 1939-1940*).

D118a, D118b. Modern German Literature.

MR. BAUMAN

The development of German Literature from 1880 to the present with reference to the political and social changes during this period. *A*.

Under the auspices of Claremont Colleges graduate work is offered in various phases of German Literature with special emphasis on the modern field.

Government**INTRODUCTORY COURSES****A1a, A1b. The Foundations of Government.**

This course, formerly designed for freshmen, has been converted into a sophomore course under the title of B4a, B4b. The same and its place has been taken by A2a, A2b. (*Omitted in 1940*).

A2a, A2b. Modern Governments.

MR. A.

First semester: American Government, with emphasis on national institutions. Second semester: European government with emphasis upon British and French institutions. *IV*.

a, B3b. Contemporary Governments.

MR. SAIT

Identical with A2a, A2b, but listed as a sophomore course in 1939-1940 for the convenience of those who have taken A1a, A1b. *IV*.

a, B4b. The State.

MR. KIRKWOOD

First semester: Organization.

A study of the major political institutions evolved by man in the course of governing himself and his fellows. Attention will be given to the contrasting solutions afforded by democracy and dictatorship.

Second semester: Problems and methods of control.

An inquiry into the underlying forces which condition and limit the working of the institutions studied in B4a. Topics for discussion will include theories of the state, political myths, the nature of law, nationalism, and public opinion. B4b (second semester) is not open to students who have taken A1a, A1b. *V*.

ADVANCED COURSES

Open to students who have taken nine units of the introductory courses or who have received the written consent of the instructor.

03. Municipal Government

MR. KIRKWOOD

The problem of local self-government viewed from the standpoint of administration, political control, and the changing pattern of social and economic life. Typical solutions in the United States and Europe will be examined, and the student will apply the general principles evolved to a particular study of that town or city which interests him most. First semester. *III*.

04. Administration

MR. KIRKWOOD

The growth and mechanism of the modern service-State, with special reference to the theory and practice of responsible bureaucracy, as developed in the United States and abroad. Second semester. *III*.

05. Introduction to Law.

MR. BURGESS

The development of American law and legal institutions with some analysis of the rights and liabilities arising from the more common legal relationships. Second semester. *I*.

08a, C108b. International Relations.

MR. SAIT

In the first semester the main subjects of discussion will be economic discords and harmonies, the cause and effect of war, methods of adjusting disputes, international co-operation, the peace movement, and particularly the League of Nations. The second semester will be devoted to a survey of international law—its nature, sources, and content. *II*.

D112. Public Opinion.

MR. KIRKWOOD

Individual and group opinion as the setting for political action. The origin, nature, and measurement of this opinion, and the possibility of controlling it—with reference to outstanding attempts to do so both here and abroad. Second semester. *VI*.

D113. Political Institutions.

MR. SA

The State: its origin; its function as law-giver; the chief forms that it assumes. Among the topics for discussion will be sovereignty, jurisprudence, nationalism, federalism, democracy, and representation. First semester. *VI*.

D114. Constitutional Law.

MR. BURGESS

An examination of the Constitution of the United States and the decisions of the Supreme Court upon questions arising thereunder. Second semester. *WF 2:15-3:45*.

D115. Political Parties.

MR. S

Their role in a democracy; their relation to the electorate, public opinion, and pressure groups; how they are organized and financed; how they nominate candidates and fight campaigns. While attention will focus upon the American scene, phases of foreign practice will be noted, especially regarding the conduct of elections. Second semester. *VI*.

D121 (Oriental Affairs D121) Contemporary Far Eastern Government.

MR. F

The processes of political control in China and Japan under conditions different from those in the West and the significance of the resulting similarities and contrasts for political thought and for an understanding of contemporary international problems. Special attention will be given to an evaluation of Japanese colonial administration as compared to that of Western powers in the Far East. First semester. *I*.

Attention is called to the following courses given outside the department:

History D119. American Diplomatic History.

Philosophy C132. Types of Political Theory.

III-21 (Scripps). Modern Political Ideas.

III-28 (Scripps). European Thought.

READING COURSES IN HONORS

These courses consist of assigned reading and the preparation of essays. Normally they carry, in each case, three units; under exceptional circumstances and only in the senior year, six units; and for summer reading, one to three units, according to the extent of the completed program. The essays are read before the whole group of candidates for honors, which meets each Thursday evening, with members of the faculty in attendance.

These members are: Messrs. Burgess, Fahs, W. T. Jones, Kirkwood, and Sait of Pomona College; and Messrs. Bergstraesser and Saunders of Scripps College.

51, C152. Political Thought from Plato to Bentham.

51, D252. Topics for each semester, to be approved by the department.

History

a-A1b. The Development of Western Civilization.

MR. PITMAN, MR. GLEASON, MR. KEMBLE

The evolution of civilization in Europe from antiquity to the close of the French Revolution, and its spread throughout the world. Attention is paid to the political, religious, intellectual, and economic forces of change. The aim is to lay a foundation for the understanding of contemporary problems. This course or its equivalent is normally a prerequisite for advanced courses in history. Three sections. *III*, Mr. Pitman and Mr. Kemble; *IV*, Mr. Gleason.

, B5b. History of the United States.

MR. KEMBLE

The political, cultural and economic development of the United States from its beginnings as an outpost of European expansion to a position of independence and world influence. *I*.

, B6b. (Oriental Affairs B6). The Development of Oriental Civilization.

MR. FAHS

The cultural history of eastern Asia with emphasis on those factors of significance for an understanding of contemporary life. While most attention will be given to the main stream of cultural development in China and Japan, the contributions to that stream from central Asia and India and the more recent inter-relations with the West will also be considered. First semester to 1650. Second semester 1650 to present. No prerequisite. *V*.

2. Economic History of Europe.
Omitted in 1939-1940.)

MR. NESS

7a-C107b. English History.

MR. PITMAN

The development of the main features of civilization in England and the British Empire. Emphasis is laid upon the evolution of religious, intellectual, and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. First semester, Great Britain to 1660; second semester, Great Britain and the Empire since 1660. *II*.

C111. History of Republican Hispanic America. MR. PARK

Emergence of the independent republics in Hispanic America and the development of institutions peculiar to the region. Literature, education, and religious problems will be discussed well as foreign relations and politics. Emphasis will be placed upon the larger countries, particularly Argentina, Brazil, Mexico. Second semester. *III*.

C113a, C113b. The History of Modern Europe MR. GLEAS

Europe from the beginning of the French Revolution to Peace of Versailles. Political, economic, social, and intellectual developments will be studied with reference both to their intrinsic significance and to an understanding of present-day Europe. The course will conclude with a brief consideration of the events of the last two decades. *III*.

C115. The Intellectual and Social History of America to 1860. MR. MAR

A study of civilization in the United States in which historical events are viewed from the standpoint of their cultural significance, and of their social and intellectual causes. Important individuals and social movements are subjected to philosophical criticism, and there is a psychological study of past and present crowd tendencies. 3 units. First semester. *WF, 2:15-3:45*

C117a, C117b. The History of the Greeks and Romans.

MR. ROBI

Ancient civilization from its genesis to the Roman conquest of Greece, followed by a study of Rome from the founding of the Eternal City until the reign of Justinian. Emphasis is placed upon the civilization and literature of the Greeks and Romans.

D118a, D118b. Topics in the History of Modern Europe

MR. GLEAS

The course will study more thoroughly than is possible in history C113 certain aspects of the evolution of Europe in the nineteenth century. The topics will be selected in accordance with the particular interests of the members of the class. There will be lectures and more informal discussions. Each student will be expected to work on several topics, making use of original material so far as possible. The course will be open only to those who have taken, or are taking, History C113, or have an equivalent preparation. *A*.

D119. American Diplomatic History.

MR. PAI

The development of American foreign policy as revealed in the relations of the United States with European, Asiatic and American nations. Emphasis will be on relations with European States. First semester. *III*.

20. (Oriental Affairs D120). History of Far Eastern Diplomacy.

MR. FAHS

(Omitted in 1939-1940). Second semester. I.

26a, D126b. Medieval Civilization.

MR. PITMAN

A study of the institutions, economic and social structure, religion and art of Europe, mainly in the twelfth and thirteenth centuries. Lectures, and discussions of reports on topics of particular interest to members of the class. Prerequisite: History A1 or an equivalent preparation. *TTh*, 3:15-4:45.

D126a, RD126b. Readings in Medieval Civilization

MR. PITMAN

For honors students concentrating in history, to accompany History D126a, D126b. Weekly conferences. *A*.

27a, D127b. History and Cartography of Western America and the North Pacific.

MR. KEMBLE

The exploration and settlement of the area, the evolution of political, cultural and economic institutions, and the opening of routes of land and oceanic communication. Splendid facilities for advanced work in this field are offered by the Henry R. Wagner Collection of History and Cartography of the North Pacific and the Mason Library of California and Western American History. Lectures, directed research and student reports. *W*, 3:15-5:15 and *A*.

HONORS

A student admitted to honors in the Social Sciences with History his major field of concentration will, in addition to the program reading and conferences arranged with the member of the department who acts as his adviser, participate in a pro-seminar group. This will be made up of the departmental faculty and students in honors, and will meet bi-weekly for the presentation of reports and discussion.

51a, C151b. History and Historians.

THE DEPARTMENTAL STAFF

A consideration of the theory and interpretation of history through the reading of a selected group of great historical classics, and a study of the development of historiography. *A*.

Mathematics

, A1b. Introduction to College Mathematics.

DEPARTMENTAL STAFF

The objective of this course is to prepare students for work in calculus the following year. The subject matter covered with

particular students will be adjusted to meet their needs as demanded by their previous preparation. Prerequisite to work in the department, except Math. B7 and B8. To be offered at three periods and in as many sections in each period as registration calls for. *IV, V and VI.*

B7. Mathematics of Finance.

MR. JA

Interest, annuities, amortization, depreciation, and an introduction to the mathematics of life insurance. First semester.

B8. Statistical Methods.

MR. JA

Graphs, averages, frequency distribution, probability, correlation index numbers. Second semester *MW, III*; laboratory, *F, 4:10*. Laboratory fee \$1.00.

SB11. Surveying.

MR. TA

Use and adjustment of surveying instruments. Methods of leveling and mapping surveys for various purposes. Given during summer session at the Bluff Lake Camp of Pomona College. Prerequisite: Plane trigonometry. 6 units.

B15a, B15b. Differential and Integral Calculus.

MR. TAYLOR and MR. HAM

A continuation of Mathematics A1. *III and IV.*

B25. Plane Analytic Geometry.

MR. TA

A study of the straight line, conic sections, higher plane curves and their properties. Prerequisite: Math. A1. First semester. *VII.*

C110. Solid Analytic Geometry.

MR. TA

Planes, curved surfaces, and space curves. Also a brief treatment of spherical Trigonometry. Prerequisite: Math. B25. Second semester. *VII.*

C119a, C119b. Higher Algebra and Theory of Equations

MR. JA

Theory and solution of higher algebraic equations and advanced topics in algebra. *II.*

D120a, D120b. Differential Equations.

MR. JA

A general course in the theory and solution of differential equations. *I.*

D121a, D121b. Advanced Calculus.

MR. HAM

A brief introduction to Taylor's series, approximation by line and surface integrals, Fourier's series, complex variables and related topics. *III.*

30. Selected Topics in Higher Mathematics.

DEPARTMENTAL STAFF

From time to time work in complex variable, projective geometry, differential geometry and number theory will be given as the demand requires. 1 to 3 units. *A*.

GRADUATE WORK in Number Theory, Differential Geometry, Real and Complex Variable is offered under the auspices of Claremont Colleges.

GRAPHICS

A7b. Engineering Drawing.

MR. TAYLOR

A beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

A9b. Engineering Drawing.

MR. TAYLOR

A more advanced course in mechanical drawing and descriptive geometry. Treats of orthographic and perspective projections, machine and structural details. Prerequisite: Mathematics A7. or its equivalent. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

C12a, C112b. Engineering Drawing.

MR. TAYLOR

Elements of engineering design. 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

Military Science

The College maintains an Infantry Unit, Senior Division, of the Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students as leaders in time of national emergency. Students who successfully complete the four-year course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The courses include both classroom and outdoor instruction. Theoretical instruction covers the basic technical knowledge required of a lieutenant of the United States Army. Drill periods provide opportunity for the practical application of the theoretical instruction and for the improvement of the posture and physical condition of the student. Special emphasis is placed on the development of the qualities of leadership. The poise acquired by the student and his practical experience in the art of command may be utilized in many walks of life.

The instructors in the department are officers of the Regular Army detailed for duty at the College by the War Department. Equipment provided includes rifles, automatic rifles, machine guns, mortar, a Stokes mortar, and instruments for a 28-piece

band. All students are given instruction in marksmanship. Ammunition for target practice is furnished without charge. Individual competitions are held and a rifle team selected for intercollegiate matches.

Students who have received training in a Junior R.O.T.C. may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of 1½ years Senior unit training. Application for advanced standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the school which the student attended.

The four year course is divided into the basic course, consisting of the first two years, and the advanced course consisting of the work of the third and fourth years. Enrollment in either course is voluntary but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligation for military service nor does it interfere with the participation in sports by the student. Uniforms for the basic course are issued without charge to the student.

Enrollment in the advanced course is limited to selected students who have completed the basic course or its equivalent and who enter into an agreement to attend one summer camp for a period of six weeks. Attendance at this camp is expected during the summer between the Junior and Senior years. Students enrolled in the advanced course are required to attend camp before graduation. In consideration of this agreement students receive, from the government, cash allowances equivalent to a scholarship of about \$100 per year. All necessary expenses in connection with the summer camp, including transportation to and from camp, are provided by the government.

A1a,-A1b. First Year Basic Course.

LT. COL. ST.

National defense; citizenship; military courtesy and discipline; rifle marksmanship; map reading; military policy of the United States; military organization; military hygiene and first aid; close and extended order drill and ceremonies. 1½ unit sections. Class, *M, I or III*. Drill, *M, 1:15-3:05*.

B3a-B3b. Second Year Basic Course.

MAJOR BA

Musketry; scouting and patrolling; infantry weapons; automatic rifle; combat principles of the rifle squad; drill and command. 1½ units. 2 sections. Class, *S, VI or F, IX*. Drill, *M, 1:15-*

C105a-C105b. First Year Advanced Course.

MAJOR BA

Leadership; 37 mm. gun and Stokes mortar; machine guns; fortification; automatic pistol; combat orders; marches and security; combat principles of the rifle section and platoon

interpretation of aerial photographs; drill and command. $3\frac{1}{2}$ units. 2 sections. Class, *III* or *VII*. Drill *M*, 1:15-3:05.

07a-D107b. Second Year Advanced Course. LT. COL. STIVERS
Leadership; military history of the United States; military law; tanks and mechanized warfare; antiaircraft defense; signal communications; tactical problems in the command of rifle and machine gun companies and the howitzer platoon; drill and command, as platoon, company and battalion commanders. $3\frac{1}{2}$ units. 2 sections. Class, *II* or *IV*. Drill *M*, 1:15-3:05.

Music

THEORY AND APPRECIATION

-A1b. Elementary Harmony. MR. DAYTON and MR. SNIDER
A study of intervals, scales, tonal magnetism, primary triads, dominant seventh and ninth chords, and all non-chordal tones. Harmonization of melodies. Prerequisite: Elementary knowledge of the pianoforte. *III* and *IX*.

-A2b. Sight Singing and Dictation. MR. LYMAN
Training in sight singing; melodic and rhythmic dictation with view to discriminate listening. Two periods per week. No credit. *MW*, *V*.

-B3b. Appreciation of Music. MR. DAYTON
A course designed to stimulate the enjoyment of music by means of the development of intelligent listening; planned to give a general idea of the elements, structural principles, and aesthetic content of music. Not designed for students majoring in music. 1 unit. *MW*, *XIII*.

-B5b. Advanced Harmony. MR. SNIDER
Secondary harmonies. Modulation and chromatically altered chords. Keyboard drill and analysis. Creative work is encouraged from the beginning. Harmonization conducted on a melodic basis. Prerequisite: Music A1 or equivalent. *VII*.

-B6b. Advanced Dictation. MR. BLANCHARD
Continuation of A2a-A2b, employing triads, seventh chords and modulation. Dictation in two, three, and four part harmony. Prerequisite: A2. 1 unit. *WF*, *IX*.

-C104b. History of Music. MR. FISKE
A general survey of the history of occidental music from the beginning of the Christian era. Prerequisite: Music A1. *IV*.

-C107b. Counterpoint. MR. SNIDER
A study of Simple Counterpoint in the five species with an aim to learn the art of free part-writing. Creative work in various

contrapuntal forms, as the Invention and the Suite, will be undertaken during the course. Prerequisite: Music B5. *VI.*

C112a-C112b. The History and Construction of the Organ.

MR. CLOK

A study of the development of the organ from the mechanical standpoint; present day tendencies in organ design and construction. Two periods per week. One unit. *TTh, XII. (Offered in 1939-1940).*

C113a-C113b. Orchestration and Instrumentation.

MR. BLANCHARD

A study of the instruments of the modern orchestra; their history, technical limitations and use in various groups; study of scores and the technique of scoring. Prerequisite: Music B5.

C115a-C115b. Literature of the Organ.

MR. CLOK

Traces the development of organ music, with especial emphasis on writers not included in B3. Designed to develop intelligent and discriminating listening. Not designed for music majors. Two periods a week. One unit. *TTh, XII.*

D108a-D108b. Free Composition.

MR. CLOK

Advanced original work in the shorter free styles. Text—Gottschus "Homophonic Forms." Prerequisite: Music C107. *A*

D109. Form and Analysis.

MR. BLANCHARD

Designed to lead to a clear understanding of the principles upon which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music B5. 2 units. Offered in alternate years. *TTh, II. (Offered in 1939-1940).*

APPLIED MUSIC

I. Class Instruction (No special fees).

(Enrollment for credit is limited to two courses at one time.)

B7a, B7b. Choral Singing.

MR. LYNN

The study and production of choral music, especial attention being given to diction, phrasing, content of the works dealt with and an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and such will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays from 11:30 to 12:01 unit. The course may be repeated for credit.

B9a, B9b. Orchestra.

MR. F

A study of major works of orchestral repertoire and application of the principles of orchestral routine through public performance. Two periods of attendance weekly; one hour credit.

ditional sectional rehearsals at option of director. The course may be repeated for credit. *T* and *F*, 4:15.

0a, B10b. Band.

MR. BLANCHARD

The study and production of the best in concert band repertoire. Two periods of attendance weekly (also one hour of drill on Saturday at 11:00 during football season); one hour credit. The course may be repeated for credit. *M* and *W*, 4:15.

Individual Instruction.

SPECIAL FEES

	Per
For those paying regular tuition:	Semester
One-half hour private lesson per week	\$45.00
Each half-hour in excess of one per week	40.00
For those carrying less than ten hours of college work, exclusive of work in applied music:	
One half-hour private lesson per week	60.00
Each half-hour in excess of one	40.00

PRACTICE FEES

PIANO, one half-hour daily, \$3.50; one-hour daily	\$6.00
PIANO AND PIANO, one hour daily	9.00
HEAT ORGAN, one hour weekly	5.00
FO-MANUAL PRACTICE ORGAN, one hour weekly	2.00
DAL ORGAN, one hour daily	6.00
OLIN, CELLO, FLUTE, room without piano, one hour daily	1.50

The student in applied music under individual instruction will be allowed for credit toward the Bachelor of Arts degree only upon written recommendation of the Chairman of an Examining Committee and the Head of the Department, and upon the subsequent favorable action of the Classification Committee. This recommendation is based upon the degree of ability and advancement shown in Proficiency Tests. To receive credit applied music must be accompanied or preceded by first year harmony, Music A1. This course entitles a student to register for credit in applied music for one or two lessons per week for the first year and one lesson per week for the remaining three years. If credit is desired for two lessons per week for a second year or more, the work must be accompanied or preceded by second year harmony, Music B5. Two units per semester are given for two lessons a week, one unit per semester for one lesson a week. No college credit is given for work below "B" (Sophomore) grade. (As many Freshmen are unable to pass the prerequisite tests allowing them to take "B" grade

work, students of all classes are advised to confer with the H of the Department regarding eligibility for credit.) Not more than 12 units' credit in applied music may be counted toward the Bachelor of Arts degree unless the student is able to present a total of units of "D" (Senior) grade work in any subject. In this case units' credit may be allowed. Proficiency tests are required only of students desiring credit toward the Bachelor of Arts degree.

Voice

MR. LYMAN, MISS STEVENS

Organ

MR. CLO

Piano

MR. OLIVE and MR. DAYT

Violin and Viola

MR. FE

Wind and Percussion Instruments

MR. BLANCH

Lessons on other instruments may be arranged for private through the office of the Music Department.

III. Group Instruction (Special fees charged).

Class lessons for beginning students are offered at \$25 semester, a registration of four persons being set as the minimum. For this work no collegiate credit is given. Each meets once a week for an hour.

GRADUATE WORK in composition and study of Music Forms Public School Music Methods is offered under the auspices of Claremont Colleges.

Oriental Affairs

For convenience of reference all of the courses dealing specially with Oriental Affairs are listed below. Students should register for these courses under the departmental number given in parenthesis.

B6a, B6b (History B6a, B6b). The Development of Oriental Civilization

MR. F

The cultural history of eastern Asia with emphasis on those factors of significance for an understanding of contemporary. While most attention will be given to the main stream of cultural development in China and Japan, the contributions to that stream from central Asia and India and the more recent inter-relationships with the West will also be considered. First semester to 1650. Second semester 1650 to present. No prerequisite. V.

C101a-C101b (Oriental Languages C101a-C101b). Chinese. An elementary reading course in the Chinese language. II. (Omitted in 1939-1940).

C102a-C102b (Oriental Languages C102a-C102b). Japanese.

MR. F

An elementary reading course in the Japanese language. V. (Omitted in 1939-1940).

C104. Far Eastern Literature in Translation.

MR. F

A study of outstanding Chinese or Japanese literary works.

English translation with the aim of a deeper appreciation of Oriental life and thought. Chinese and Japanese in alternate years. 1939-1940—Japanese literature. Second semester. *III*.

26 (Philosophy C126). Oriental Philosophy. MR. IREDELL
Second semester. *VII*.

17 (Economics D117). Economic Problems of
the Orient. MR. DUNCAN
First semester. *VII*. (*Omitted in 1939-1940*).

120. (History D120). History of Far Eastern Diplomacy.
(*Omitted in 1939-1940*) MR. FAHS

121 (Government D121). Contemporary Far Eastern
Government. MR. FAHS

The processes of political control in China and Japan under conditions different from those in the West and the significance of the resulting similarities and contrasts for political thought and for an understanding of contemporary international problems. Special attention will be given to an evaluation of Japanese colonial administration as compared to that of Western powers in the Far East. First semester. *I*.

Philosophy

Courses B25 and B27 are general introductions to philosophy. They are recommended both for students who wish a general acquaintance with the subject, and for those who wish to lay a foundation for advanced work.

B courses are open to freshmen by permission.

One year's work in Philosophy is required for admission to courses.

1. Introduction to Logic. MR. IREDELL
A study of the elements of deductive and inductive reasoning with special emphasis upon the problems of definition, the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. First semester. *IV*.

2a, B25b. History of Philosophy. MR. W. T. JONES
An introduction to philosophy through the study at first hand of the works of six or seven significant and representative philosophers, supplemented by an attempt to trace the main lines of historical development, especially in ancient Greek thought and in Europe since the Renaissance. *V*.

3a, B27b. Problems of Philosophy. MR. IREDELL
An introductory consideration of the meaning and method of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology, and a review of some of the main philosophic estimates of life.
VI.

C124. Types of Ethical Theory.

MR. W. T. JON

A critical examination of some of the chief types of ethical theory (*e.g.* Aristotle, Kant and Bergson) and a consideration of their various solutions to the main problems of moral theory, *e.g.* the problems of duty, authority and the meaning of good. Some previous work in philosophy is recommended, though not required. First semester. *III.*

C126. Oriental Philosophy.

MR. IREDE

This course is designed to provide the student with a general background of oriental thought as a basis for further study of oriental life and culture. An attempt will be made to gain an appreciation of the thought life of the Orient through a study of some of the more important thinkers and schools of oriental philosophy and through a comparison of oriental and western philosophical views and cultural ideals. Second semester. *V.*

C132. Types of Political Theory.

MR. W. T. JON

A study of some of the principal ways in which philosophers have attempted to justify the existence of political societies and a critical evaluation of their success. Attention will be concentrated on the political theories of Aristotle, Hobbes and T. Green. Second semester. *III.*

D131. The Nineteenth Century.

MR. W. T. JON

An attempt to understand the main currents of 19th century thought and to trace their reflection in the literature, the history and the social movements of the period. A study will be made of a number of movements, including the impact of science on religion, the conflict between individualism and collectivism, and the contrast between romanticism and naturalism. This course is designed primarily for students reading for honors in any of the three divisions, but it is open to other upper division students. First semester. *VII.*

D133. The philosophy of Science.

MR. IREDE

This course is designed especially for students interested in the problems of the physical and biological sciences. A critical examination will be made of the basic concepts and methods underlying contemporary scientific thought. Consideration will be given to such questions as the nature of scientific knowledge, conceptions of nature, natural law, the relation of the sciences to other interests, and the contributions of the special sciences to a view of the universe as a whole. First semester.

D134. Contemporary Philosophy.

MR. IREDE

A study of contemporary philosophic thought through some of the main modern thinkers with special reference to the dominant ideas of the civilization of today. Prerequisite: Philosophy B25 or B27, or such previous work as will provide an equivalent grasp of the basic problems of philosophy. Second semester.

135. Contemporary Philosophy of Education. MR. IREDELL
A consideration of educational philosophies at work in the world today, together with a critical analysis of the chief philosophical problems involved. The course will include a brief survey of some of the current attempts to reform education in this country and abroad, and will consider the contributions of some of the outstanding contemporary philosophical thinkers to the problems of education. First semester. III. (*Omitted in 1939-1940*).

136. The Philosophy of Plato. MR. W.T. JONES
A detailed study of Plato's thought, based upon the reading and discussion of ten or twelve representative dialogues. Prerequisite: one year's work in philosophy, preferably B25 or B27. Second semester. (*Omitted in 1939-1940*).

138. Philosophical Classics. MR. W. T. JONES
An attempt to understand a number of representative methods by which in different epochs cultural syntheses have been achieved. A study will be made of six works (including Plato's *Republic*, Kant's *Metaphysics of Morals*, and Bergson's *Creative Evolution*) in the light of their significance for the history of Western thought. This course is designed primarily for students reading for honors in any of the three divisions, but it is open to other upper division students. Second semester. A.

A considerable range of graduate offerings in Philosophy is available under the auspices of Claremont Colleges.

Physical Education

The program of Physical Education in Pomona College is based on the belief that a liberal education should include knowledge of the structure and functions of the human mechanism; understanding of the hygienic practices which promote physical, mental and moral health; reasonable skill in developmental and recreational activities of a physical type which will promote the individual's well-being during college years, and in later life; and a disposition to make such knowledge and skill essential elements in effective living. Increasing interest in health, physical education and recreation in the United States, has resulted in a growing demand for well-trained and competent leaders in these fields. Pomona students qualify for such professional work by pursuing a major course in Physical Education, followed by a year of graduate work in Claremont Colleges.

MEN AND WOMEN

A student may count toward graduation not more than one hour per semester in "sports" and "activities" during his Lower Division years, and not more than one-half hour per semester during his Upper Division years.

Principles of Healthful Living.

MR. NIXON and MISS KELLEY
An introduction to general hygiene dealing with the meaning and

significance of physical, mental, and social health as related to the individual and to society. Important phases of our Nation's health problem. Constructive methods of promoting the health of the individual. Defensive hygiene. Special health problems of college students and young people generally. Elective either semester. 2 units *TTh, VI*. Men, Mr. Nixon; women, Miss Kelley.

C126. Community Health.

MISS KELLEY

A brief survey of the fields of community and public health dealing with the health of people as a group, and with the social and governmental activities which are concerned with environmental control and health promotion. Hygiene and the correlation of the total health teaching program. Second semester. 2 units. *TTh, IV*.

C127. Community Recreation.

MR. HEATON

A study of the organization of the school and the public playground, the types of leadership, and types of activities best suited for various age periods. Discussion of the technique of organizing the recreation center. Organization of leadership. Limited to upper division students. Second semester. 2 units. *TTh, II*.

C128. Nature and Function of Play.

MISS KELLEY

The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out motor habits, attitudes and judgments. First semester. 2 units. *TTh, II*.

C130. Kinesiology.

MISS CAWTHORPE

An analysis of joint and muscular mechanism, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. First semester, *I*.

D131. Physical Deviations.

MISS CAWTHORPE

Study of the causes, prevention, and correction of physical defects. Laboratory work includes methods of examination, prescription of exercises. Prerequisite: C130. Second semester. *MW, I*; and laboratory *A*.

D133. Principles of Physical Education.

MR. NIXON

Limited to Seniors preparing to teach Physical Education. Second semester. *VII*.

MEN

Students engage in programs of physical education activities selected according to individual needs as determined by medical and physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Am

the minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense or gymnastics, proficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under supervision of the Department: Archery, badminton, baseball, basketball, boxing, corrective exercises, cross country running, football, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student obtains credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a certificate from the College Physician indicating that the individual is physically fit for such participation.

1A-A1b. Physical Education Activities. THE STAFF

Required, Freshman year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

2A-A2b. Gymnastic Exercises. MR. STREHLE

Required of Freshmen not taking military science. $\frac{1}{2}$ unit. *M*, 2:15; *Th*, 4:15.

3A-B3b. Physical Education Activities. THE STAFF

Required, Sophomore year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

4A-B4b. Physical Education Activities. THE STAFF

Required of Sophomores not taking military. Sophomore year. $\frac{1}{2}$ unit. *A*.

105A-C105b. Physical Education Activities. THE STAFF

Required, Junior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

107A-C107b. Physical Education Activities. THE STAFF

Required, Senior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

219A-D219b. Technique of Teaching Physical Education.

MR. HEATH, MR. STREHLE and MR. MERRITT

This course is devoted mainly to methods in teaching and supervising athletics. 2 units. *A*.

WOMEN

A medical and physical examination is given all entering students with subsequent posture tests. Physical activities are allowed as prescribed as the result of these examinations. Participation in 1A-A11b is required for the Freshman year. Students may have freedom of election in other activities in so far as medical and physical examinations warrant, but must include during the Freshman

and Sophomore years one individual sport, one team or group sport and one semester of either tap, folk, or natural dancing.

ACTIVITY

Six units of Physical Education Activities are required for graduation. One unit is credited for A11, Fundamentals, a special course organized in such a fashion as to include the basic fundamentals of physical activity. The remaining 5 units may be earned by participation in any of the following activities.

Individual Sports	Team Sports	Dancing	Gymnastics
Archery	Basketball	Rhythmics	Danish
Badminton	Baseball	Creative	Individual
Golf	Hockey	Tap	
Riding	Speedball	Folk	
Riflery	Volleyball		
Swimming			
Tennis			

¹Students interested in camp leadership are referred to the announcement on page 73.

Course in Recreational Games including:

Croquet	Shuffleboard
Horseshoes	Tenniquoits
Paddle Tennis	Tether Ball
Ping Pong	

A11a-A11b. Fundamentals.

Required, Freshman year. $\frac{1}{2}$ unit. *A*.

A12a-A12b. Sports and Dancing.

Required, Freshman year. $\frac{1}{2}$ to 1 unit. *A*.

B13a-B13b. Fundamentals, Sports or Dancing.

Required, Sophomore year, $\frac{1}{2}$ unit. *A*.

B14a-B14b. Fundamentals, Sports or Dancing.

Required, Sophomore year, $\frac{1}{2}$ unit. *A*.

C115a-C115b. Fundamentals, Sports, or Dancing.

Required, Junior year. $\frac{1}{2}$ unit. *A*.

C117a-C117b. Fundamentals, Sports or Dancing.

Required, Senior year. $\frac{1}{2}$ unit. *A*.

THEORY

C119a-C119b. Methods in Coaching and Supervising

Sports.

1 unit. 1st semester *F, IX*; 2nd semester, *F, XI*.

MISS BRIS

Physics

A1a-A1b. Introduction to Physical Science.

MR. TILESTON and MR. HA

A non-mathematical course intended for those who wish to

tain a knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the electron structure of matter. *V.* Fee, \$5.00 each semester. (*Omitted in 1939-1940*).

a-B2b. General physics. MR. HAUPT and MR. TILESTON

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. *I.*

a-B4b. Physical Measurements.

MR. HAUPT and MR. TILESTON

Quantitative laboratory work in the subjects indicated in Course B2a-B2b. Must accompany B2a-B2b. *W* or *Th.* 1:15-4:15.

1 unit. Laboratory fee, \$3.00.

10. Slide Rule and Precision of Measurements. MR. HAUPT

A study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics B2, B4. 3 units. First semester, *III.* Fee \$3.00. (*Omitted in 1939-1940*).

11a-C111b. Electricity and Magnetism. MR. TILESTON

A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics B2, B4. 3 units. *II.* (*Omitted in 1939-1940*).

13a-C113b. Mechanics.

MR. HAUPT

Kinematics and dynamics of motion. Study of forces and their relation to motion. Concepts of work, power, momentum, impulse. Centers of mass, moments of inertia, products of inertia. Statics and the equilibrium of particles, rigid bodies and framed structures with special emphasis on engineering applications. Mechanics and atomic physics. Prerequisite: Calculus. *VII.*

19a-D109b. Electrical Measurements. MR. TILESTON

Laboratory in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacity. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics C111a-C111b preceding

or accompanying this course. 1 unit. *M*, 1:15-4:15. Laboratory fee, \$4.00. (*Omitted in 1939-1940*).

D115a-D115b. Optics.

MR. HAU

The fundamental laws of geometrical and physical optics, wave theory of light, interference, diffraction, polarization, electromagnetic theory of light, reflection and refraction, dispersion, magneto-optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics B2, B4 and Calculus. *VI*.

D117a-D117b. Optical Measurements.

MR. HAU

Quantitative verification of the laws of geometrical and physical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to the work in spectroscopy. Laboratory to accompany D115. 1 unit. *F*, 1:15-4:15. Laboratory fee, \$4.00.

D200. Modern Physics.

MR. TILSTON

Electromagnetic theory of radiation, the electron, properties of moving charged bodies. Kinetic theory of gases, thermodynamics, photoelectric effect. X-rays, spectroscopy, critical potentials, radioactivity, isotopes. Second semester. 3 units. *A*.

D220a, D220b. Research.

MR. TILSTON and MR. HAU

The following problem is in progress in the department: Properties of high energy ions. Majors in the department who are properly qualified will be accepted as research associates. 1 to 3 units. *A*. Laboratory fee, \$2.00 per unit.

Psychology

B1a, B1b or B2 is prerequisite to all further courses in the department. C courses may be taken concurrently with B1b.

B1a, B1b. Elements of Psychology.

MR. EWER and MR. HAU

The fundamental facts and laws of the mind. Principles of sensation, perception, memory, thought, feeling, emotion, and will. The relation of the nervous system to mental processes, action, and learning. Practical applications in various fields. *VII*, Mr. Ewer; *VI*, Mr. Ellis.

B2. Elements of Psychology.

MR. HAU

Similar to B1a, B1b. Second semester. 4 units. *III* and *I*.

C104. Child Psychology.

MR. HAU

An intensive survey of physical and mental growth and development. Particular attention will be given to methods of training and to the hygiene of growth. Second semester.

05. Individual Differences.

MR. ELLIS

A study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex and race differences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields are considered briefly. First semester. *IV*.

06. Problems of Psychical Research.

MR. EWER

The mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include hyperesthesia, automatism, illusions and hallucinations, hypnotism, contemporary occultism and spiritualism. First semester. *VI*.

07. Educational Psychology.

MR. ELLIS

Practical applications of psychology to education. The nature of the learner; intelligence and motivation; principal features of the learning process. First semester, *VII*.

18. Experimental Psychology.

MR. PERKINS

A laboratory course in psychology accompanied by lectures and discussions of the principles of scientific method used in psychological investigations. First semester. Class, *MF, III*; laboratory *W, 1:15-4:10*. Laboratory fee, \$2.00.

11. Personality.

MR. EWER

Physical basis; types, and methods of measurement; social aspects and relations. Second semester. *VI*.

12. Social Psychology

MR. PERKINS

Mental processes underlying social order and progress; collective forms of behavior; application of experimental method to social relations. Second semester. *III*.

17. The Nature and Measurement of Intelligence. MR. ELLIS

A study of the nature of intelligence and the principles and methods of intelligence testing with special emphasis upon the method of giving the Stanford Revision of the Binet Tests. Second semester. *IV*. (*Omitted in 1939-1940*).

09a, D209b. Advanced Psychology. MR. EWER and MR. ELLIS

A critical comparison of the principal contemporary points of view, systems, and methods of psychology. *A*.

GRADUATE WORK in various aspects and applications of psychology is offered under the auspices of Claremont Colleges.

Public Address

A1a-A1b. English: An Introductory Course.

MR. SCOT

(In cooperation with the Department of English).

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the most important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other departmental courses. Men: *WF, I*; section meetings at *II*; Women: *TTh, II*; section meeting at *I*.

B32a-B32b. Public Address.

MR. SCOT

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment of specific audiences. 2 units. *MW, III*.

B33a-B33b. Principles of Interpretative Reading.

MR. SCOT

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary types. 2 units. *TTh, VI*.

B35a, B35b. Argumentation and Debate.

MR. SCOT

Study of the principles of argumentation and practical application of these principles in class debates. Debate subjects for the year analyzed and debated. 2 units. *MW, V*.

C131a-C131b. Advanced Public Address.

MR. SCOT

Training in the construction and delivery of formal addresses. Prerequisite: Public Address B32 or equivalent. 2 units. *TTh, IV*.

C134a, C134b. Reading of Dramatic Literature.

MR. SCOT

The intensive study of a limited number of standard plays, with emphasis on dramatic values in character and plot. Interpretative reading of these plays in class. Recital programs before class. Prerequisite: Public Address B33 or equivalent. 2 units. *MW, VII*.

Religion

A5. Great Personalities in Religious History.

MR. MELAN

A biographical study of the founders of world religions and other significant personalities in religious cultures. Acquaintance with the classics in sacred literature, associated with these religious leaders, will also be sought. First semester. 2 units. *TTh, VI*.

5. Great Personalities in Christian History. MR. MELAND

A biographical study of men and movements in western Christianity from the fifth century to modern times. Personalities studied include artists, musicians, scientists, philosophers, poets, and men of letters as well as churchmen and theologians who have contributed to the growth of Christian civilization in Europe and America. Acquaintance with the Christian Classics in literature, art, and music will also be emphasized. Second semester. 2 units. *TTh, VI*.

01. Introduction to Philosophy of Religion. MR. MELAND

A course for the general student, dealing with the modern man's approach to religious thinking. An interpretation of the modern mind and the heritage peculiar to modern man, as compared with that of medieval, ancient, and primitive men, is followed by a consideration of present problems affecting the modern man's outlook in religion. Such issues as the relation between science and religion, art and religion, poetry and religion, and the present conflict between religion and nationalism are examined. First semester. 2 or 3 units. *TTh, IV* with third hour to be arranged.

02. Applied Psychology of Religion. MR. MELAND

A course designed to enable the student to work toward a practical philosophy of living in terms consonant with the insights of modern psychology and mental hygiene and with the worldview of modern culture. The bearing of such matters as "the fitness of environment," the relation between physical wellbeing and the health of emotions, social maturation, and other aspects of the growing-up process, as well as the life of the mind in its reflective, imaginative, and appreciative outreach upon the fulfillment of life is considered. Second semester. 2 or 3 units. *TTh, IV* with a third hour to be arranged.

03a, C103b. Religion Through the Ages. MR. MELAND

An historical and comparative study of the religions of the world. During the first semester, attention is given to the beginnings of religion among ancient peoples, the rise of religious cultures in India, China, Japan, and the Mediterranean world, emphasizing the findings of the social sciences, bearing upon the history of religions. In the second semester, study is made of contemporary developments in world religions from the opening of the modern era to the present day. *V*.

11. Problems in Philosophy of Religion. MR. MELAND

A study of the major issues of present-day religious thought, dealing with such themes as the meaning of God; religious awareness and knowledge; the method of religion in relation to art and science, and other problems bearing upon a philosophical understanding of the religious relationship. A survey of the main turns of thought in contemporary philosophy of religion

will conclude the course. Open to Juniors and Seniors with permission of the instructor. First semester. *V. (Omitted in 1939-1940).*

D112. Problems in Psychology of Religion MR. MELAN

A study of the empirical problems of religion, dealing with such themes as the nature of the religious response, varieties of religious experience, the religious aspect of personality adjustment and the criteria of religious living. Familiarity with the significant literature in psychology of religion since 1900 will be sought. Open to Juniors and Seniors with permission of the instructor. Second semester. *V. (Omitted in 1939-1940).*

Romance Languages and Literatures

FRENCH

A1a-A1b. Elementary. MRS. BISSIRI, MR. CROWELL

Essentials of grammar and pronunciation; readings from modern texts; writing from dictation; practice in speaking. *III, VII.*

B3a-B3b. Intermediate.

MRS. BISSIRI, MR. CROWELL, MISS WAGNER

A review of grammar with the translation of moderately difficult English into French; conversation. Extensive reading of modern French texts representing as many literary forms as possible. A part of this reading is done as outside assignments; French history, geography, culture, etc., are stressed in class discussions as far as time allows. *III, VII.*

C103a, C103b. Literature of the Nineteenth Century.

MRS. BISSIRI

Study of the outstanding dramatists, novelists and poets of the romantic period to the end of the century, with stress on the theater and poets. *V.*

C111a-C111b. Composition and Conversation. MRS. BISSIRI

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation, intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. *IV.*

D113a-D113b. Literature of the Seventeenth Century.

MRS. BISSIRI

In the first semester, introductory lectures on the historical background and the precursors of the great plays of Corneille

Racine; followed in the second semester by a detailed study of Molière and a consideration of certain writings of other outstanding authors. *XI*.

19. Le Moyen Age et La Renaissance.

MR. JONES

Introductory lectures on the language and literature of the middle ages. Study of early French poetry; Les chroniqueurs; Villon, etc. Followed by lectures on the Renaissance and a study of the Pléiade, Rabelais, Montaigne, Marot, etc. Collateral readings. First semester. *IV*.

20. Literature of the Eighteenth Century.

MR. JONES

A critical study of the French philosophers of the eighteenth century with especial attention to Montesquieu, Voltaire and J. J. Rousseau. Collateral readings and reports. Second semester. *IV*.

SPANISH

A1b. Elementary.

MISS HUSSON

Essentials of grammar and pronunciation; readings from easy modern texts; writing from dictation; practice in speaking. *VII*.

B3b. Intermediate. Grammar Review and Modern Readings.

MISS HUSSON and MR. CROWELL

A review of grammar with the translation of moderately difficult English into Spanish; conversation. Extensive reading of modern Spanish texts chosen to represent as many literary forms as possible; a part of this reading is done as outside assignments; Spanish history, geography, culture, etc., are stressed in class discussions as far as time allows. Prerequisite: Spanish A1 or equivalent. *V*.

3. The Theater of the Nineteenth Century.

MISS HUSSON

Study of the works of such dramatists as Moratín, Martínez de la Rosa, Duque de Rivas, Gutiérrez, Hartzenbusch, López de Ayala, Bretón de los Herreros, Tamayo y Baus, Echegaray, and others. First semester. *VI*.

4. The Novel of the Nineteenth Century.

MR. CROWELL

Study of certain of the works of Fernán Caballero, Pedro de Alarcón, Valera, Pereda, Galdós, Pardo-Bazán, Valdés, and Lasca Ibañez. Second semester. *VI*.

1. Spanish Composition and Conversation.

MISS HUSSON

Extensive drill in written and oral expression; free composition; dictation; conversation, on assigned topics or extempore, with

especial stress on the acquisition of a correct pronunciation and intonation. This course is conducted, for the most part, in Spanish. First semester. *IV*.

D113a, D113b. Literature of the "Siglo de Oro." MR. CROWE

In the first semester, the life and works of Cervantes, including an intensive study of the "Quijote"; followed, in the second semester, by a consideration of the dramatic writings of Lope de Vega, Tirso, Ruiz de Alarcón, and Calderón. Assigned outside readings and reports. *III. (Omitted in 1939-1940).*

D115a, D115b. Spanish American Literature. MR. CROWE

Class study of some of the outstanding literary productions of Hispanic America. Extensive outside readings; individual reports. Geography, history and culture are stressed in introductory lectures and class discussions. *III.*

D117. Survey of Spanish Literature. MR. CROWE

The development of Spanish literature from the earliest times to the present. In connection with readings and reports opportunity will be afforded each student to work up phases of the subject in which he finds himself deficient. *(Omitted in 1940).*

ITALIAN

B31a-B31b. Elementary. MR. JO

A rapid survey of the grammar with special emphasis on the pronunciation. Extensive reading of modern prose. Open only to students who have a thorough grounding in French, Spanish and Latin. *VI.*

In the Romance field the graduate seminars offered under Claremont Colleges plan center on the following periods of literature:

French: 16th Century, 19th Century,
Contemporary Period.

Spanish: From Beginnings to Golden Age,
Golden Age, 19th Century,
Contemporary Period.
Spanish American.

Sociology

A1. Social Origins. MR. BA

A study of the earliest known development of man and his culture. The biological emergence of man from subhuman forms is traced briefly. The growth of culture from Stone Age to Iron Age, and the rise of such culture patterns and institutions as language, the family, private property, religion, the arts, music, art, etc. First semester. *V.*

6. Comparative Cultures.

MR. BABER

Three cultures are selected from each of three levels: primitive, ancient civilization, modern civilization. These are analyzed and compared as to basic customs, traditions, and philosophies of life, involving folklore and proverbs, religious beliefs, economic activities and organization, political or group control, marriage and family forms, types of recreation, and extent of cultural self-sufficiency. Second semester. *V*.

a-B21b. Elements of Sociology.

MR. KIRK

An introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop a critical, comparative, and constructive attitude toward contemporary social problems. Application of sociological principles to modern social problems, such as race prejudice and movements of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure time activities. *IV* and *VI*.

0a-C100b. Man and Culture: Their Origins, Nature

Development and Interrelations.

MR. OPLER

An introductory course in anthropology covering the following subject headings: The history of anthropology and its methods, the physical emergence of man, the biological differentiation of man (race, race differences, racial dispersions), primitive linguistics and the psychology of language, the growth of technology and material culture, and the development of legal, political and religious institutions. *VII*.

7. Criminology.

MR. KIRK

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. First semester. *V*.

8. Labor Problems.

MR. KIRK

A survey of labor problems and causes of industrial unrest, collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial peace, problems of reconstruction. Second semester. *V*.

9. Marriage and the Family.

MR. BABER

Changes in the marital status of the American population. Factors involved in mate selection and the complex husband-wife and parent-child relationships. Difficulties of adjusting marriage and family patterns to our rapidly changing culture. Analysis of the factors promoting family disorganization, as well as measures seeking to conserve the socially valuable functions

of family life. No previous work in Sociology required open to Juniors and Seniors only. First semester. Two sections, *I*, and *M XIII, WF XI*.

C110. Race Relations.

MR. B

Biological and sociological concepts of race. The migration and distribution of races. The role of "race consciousness" in internal strife, and the development of group consciousness and status. The experience of several nations with racial mixing (amalgamation vs. accommodation) with the emphasis on American experience with Negroes, Mexicans, and Orientals. Second semester. *M XIII, WF XI*.

D112. Social Control.

MR. B

An analysis of human nature and its social origin. The growth of our social heritage through social change, with its rapid evolution in modern times making social control increasingly important. How society develops and maintains social patterns, the control of conduct through law, public opinion, education, religion, rewards, and similar agencies, and the degree to which these attempts are successful. Second semester. *I*.

D133. Theories of Social Reform.

MR.

A study of various proposals for social reconstruction including The Utopians, Marxian Socialism, Fabian Socialism, Syndicalism and Anarchy. An investigation of contemporary experiments in social reorganization: The British Labor Movement, The Fascist Regime, Soviet Russia and the Cooperative Movement in Europe, India, and America. First semester. *III*.

D134. Contemporary Sociological Thought.

MR.

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon social distance, conflict and accommodation. A survey of leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Second semester. *II*. (*Omitted in 1939-1940*).

D251, D252. Advanced Studies in Sociology.

MR.

Research in social problems and agencies. Various techniques which have been developed in sociological research will be used in making individual or group surveys for the purpose of illustrating the relative merit, the special contribution and the definite limitations of the several tools of research. *A*.

SUMMER SESSION

Although the main work of the Summer Session formerly conducted by Pomona College has been transferred to Claremont

colleges, Pomona College still maintains summer work at Laguna Beach and Bluff Lake.

The Department of Zoology conducts work at the Laguna Beach Marine Laboratory, Professor W. A. Hilton, Director.

At the Pomona College summer camp in the San Bernardino mountains, Professor Taylor gives theoretical and practical work field surveying.

SUMMARY OF STUDENTS

1938 - 1939

Compiled March 1, 1939

Seniors	-	-	-	-	-	-	-	-	-	-	162
Juniors	-	-	-	-	-	-	-	-	-	-	185
Sophomores	-	-	-	-	-	-	-	-	-	-	239
Freshman	-	-	-	-	-	-	-	-	-	-	215
Specials	-	-	-	-	-	-	-	-	-	-	7
Total Enrolment	-	-	-	-	-	-	-	-	-	-	808

In addition to the above, 5 Claremont Colleges students, 83 Mississippi College students and 2 students from La Verne College have taken some work in Pomona College during 1938-1939.

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KEY TO BUILDINGS

PERMANENT



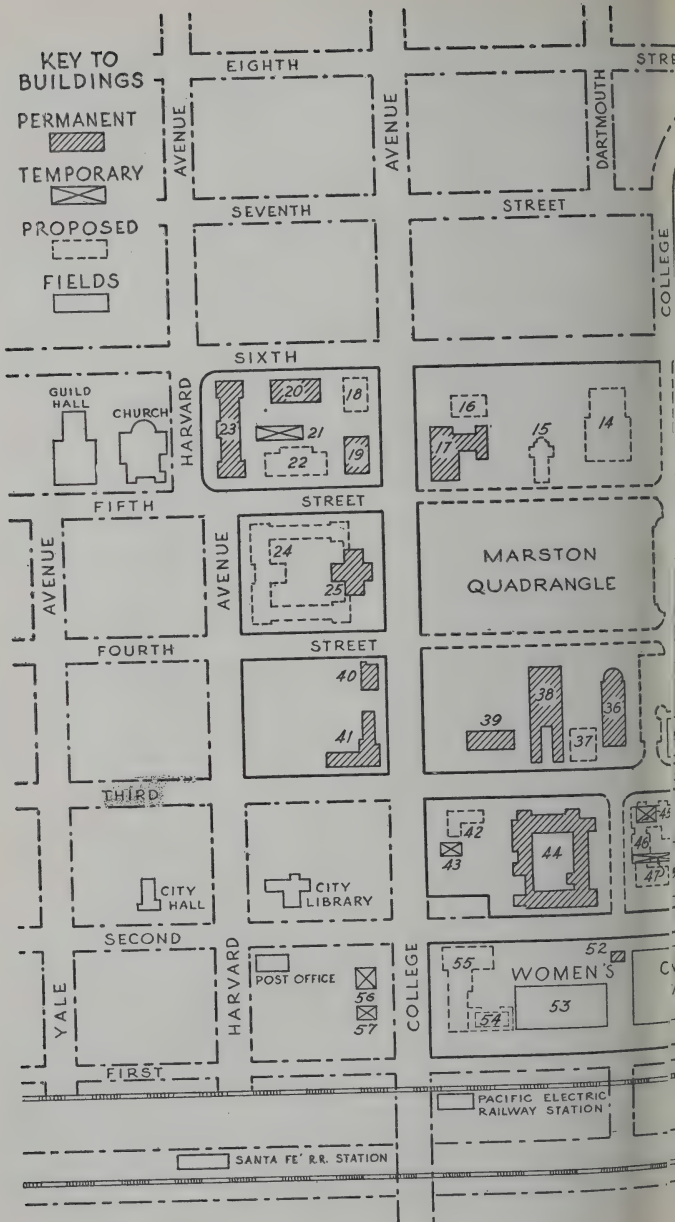
TEMPORARY



PROPOSED



FIELDS



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PERMANENT

3. Eli P. Clark Hall
5. Eli P. Clark Hall and Frary Hall
8. Tennis Courts
9. Alumni Athletic Fields
10. Training Quarters
11. Swimming Pool
13. Smiley Hall
14. Student Building

17. Holmes Hall
19. Pearsons Hall
20. Crookshank Hall
23. Mason Hall
25. Library
26. Bridges Auditorium
29. Volley Ball Court
- 29-A. Baseball Field
30. Brackett Observatory
31. Open-Air Theater
32. Hockey Field
33. Tennis Courts
35. Tennis Courts
36. Sumner Hall
38. Bridges Hall
39. Rembrandt Hall
40. President's House
41. Claremont Inn
44. Harwood Court
49. Florence Carrier Blaisdell Hall
51. Women's Playing Field
52. Field House
53. Women's Playing Field
58. Heating Plant

TEMPORARY

6. Garages
7. College Shops
21. Harwood Hall
27. Little Gymnasium
28. Big Gymnasium
43. Baldwin House
45. Kenyon House
47. Garages
50. Brackett House
56. Haddon Hall
57. Denison House

PROPOSED

1. Dean's House
2. Men's Dormitory
4. Browsing Room and Lounge
12. Men's Gymnasium
15. Chapel
16. Dramatic Studio
18. Botany Building
22. Physics Building
24. Addition to Library
30. Brackett Observatory
34. Museum of Pomoniana
37. Music Annex
42. Residence for Dean of Women
46. Women's Dormitory
48. Women's Dining Hall
54. Pool
55. Women's Gymnasium

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Annual Catalog

1940-1941

Claremont, California

HOSPITALITY

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by the institution. Parents and friends are invited to use the facilities of the Inn for long or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses in part the friendliness of the colleges and the community.

CORRESPONDENCE

Correspondence should be addressed as follows, the post office address being in every case Pomona College, Claremont, California:

Requests for catalogs, bulletins and general information, and inquiries regarding Public Events and Lectures	- - -	SECRETARY OF THE FACULTY
Admission of Students	- - -	DIRECTOR OF ADMISSIONS
Business Affairs	- - - - -	CONTROLLER
Student Affairs	- - - - -	DEAN OF THE COLLEGE and DEAN OF WOMEN
Alumni Affairs	-	DIRECTOR OF ALUMNI RELATIONS

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BY POMONA COLLEGE

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APRIL, 1940

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Fifty-third Year

omona College Bulletin

ANNUAL CATALOG

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MAY 29 1941

UNIVERSITY OF ILLINOIS

REGISTER OF OFFICERS AND
TEACHERS FOR THE YEAR
1940 - 1941, REQUIREMENTS
FOR ADMISSION, DESCRIPTION
OF COURSES AND GENERAL
INFORMATION

April, 1940

CLAREMONT · CALIFORNIA

Published by the College

COLLEGE CALENDAR

1940

September	13, <i>Friday</i>	Residence halls open for new students only, 12 noon
September	13-17	Program for new students
September	14, <i>Saturday</i>	Psychological examinations for all new students 8:00-4:00. Attendance required
September	14 and 15 <i>Saturday and Sunday</i>	Separate conferences for all men and women students.
September	16, <i>Monday</i>	Conference Day for new students
September	17, <i>Tuesday</i>	Registration day for new students Residence halls open for returning students
September	18, <i>Wednesday</i>	Registration day for returning students Special freshman classes begin
September	19, <i>Thursday</i>	Opening Convocation, 11 a.m. First semester classes begin 1:15 p.m.
October	3, <i>Thursday</i>	Last day for changing courses
October	17, <i>Thursday</i>	Founders Day, Flame Ceremony 11 a.m.
October	28, <i>Monday</i>	First low grade report due
November	20, <i>Wednesday</i>	Thanksgiving Recess begins, 6 p.m.
November	25, <i>Monday</i>	Thanksgiving Recess ends, 8 p.m.
December	4, <i>Wednesday</i>	Mid - semester low grade report due
December	20, <i>Friday</i>	Christmas Recess begins, 6 p.m.

COLLEGE CALENDAR

1941

ary	6, <i>Monday</i>	Christmas Recess ends, 8 a.m.
ary	22, <i>Wednesday</i>	Examinations begin
uary	1, <i>Saturday</i>	First semester ends
uary	3, <i>Monday</i>	Second semester classes begin, 8 a.m.
uary	6, <i>Thursday</i>	Opening Convocation of Second Semester, 11 a.m.
uary	10, <i>Monday</i>	Last day for changing courses
uary	22, <i>Saturday</i>	George Washington Convocation, 11 a.m.
h	1, <i>Saturday</i>	Matriculation and Parents' Day Convocation, 11 a.m.
h	10, <i>Monday</i>	Low grade report due
h	28, <i>Friday</i>	Spring Recess begins, 6 p.m.
	7, <i>Monday</i>	Spring Recess ends, 8 a.m.
	13, <i>Sunday</i>	Easter
	21, <i>Monday</i>	Mid - semester low grade report due
	28, <i>Wednesday</i>	Examinations begin
	30, <i>Friday</i>	Memorial Convocation, 4:30 p.m.
	7, <i>Saturday</i>	Alumni Day
	8, <i>Sunday</i>	Baccalaureate Day
	9, <i>Monday</i>	Commencement

SUMMER VACATION

ber 12-16,	Program for new students
ber 15, 16, 17,	Registration days

BOARD OF TRUSTEES

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The President of Claremont Colleges, *ex-officio*
 The President of the Alumni Association, *ex-officio*

OFFICERS

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 RUDOLPH J. WIG
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Pres
Vice-Pres
Vice-Pres
Secretary and Tre

OFFICERS OF ADMINISTRATION

1940 - 1941

CHARLES K. EDMUNDS, <i>President</i>	209 Sumner Hall
GEORGE S. SUMNER, <i>Controller</i> ¹	Harper Hall
JOHN W. DAKIN, <i>Acting Controller, First Semester;</i> <i>Controller, Second Semester</i>	Harper Hall
WILLIAM E. NICHOLL, <i>Dean of the College</i> ²	101 Sumner Hall
MURRAY DUNCAN, <i>Acting Dean, Second Semester</i>	101 Sumner Hall
EDITH E. GIBSON, <i>Dean of Women</i> ³	112 Sumner Hall
JOHN E. BOWERS, <i>Assistant Dean of Women</i>	112 Sumner Hall
GEORGE S. BURGESS, <i>Secretary of the Faculty</i>	201 Sumner Hall
MARGARET MAPLE, <i>Recorder</i>	106 Sumner Hall
HOWARD H. PATTEE, <i>Director of Admissions</i>	104 Sumner Hall
CHARLES E. ROBBINS, <i>Director of the Library</i>	Library
JOHN F. HAWLEY, <i>Director of Alumni and</i> <i>Public Relations</i>	203 Sumner Hall
LESLIE P. LOWELL, <i>Superintendent of Plant</i>	Harper Hall

¹ on leave, first semester; Emeritus, second semester, 1940-41.

² on leave, second semester, 1940-41.

³ on leave, first semester, 1940-41.

FACULTY¹

CHARLES KEYSER EDMUNDS

345 College

President, 1928.

B.A., Ph.D., Johns Hopkins University; LL.D., Occidental College

EDWIN CLARENCE NORTON

145 W. Seventh

Dean of the Faculty and Professor of the Greek Language and Literature on the Edwin Clarence Norton Foundation, 1888. Emeritus.

FRANK PARKHURST BRACKETT

270 E. Third

Professor of Astronomy on the Frank Parkhurst Brackett Foundation and Director of the Observatory, 1888. Emeritus.

MENDAL GARBUTT FRAMPTON

927 Harvard

Professor of the English Language, 1904. Emeritus.

WILLIAM POLK RUSSELL

545 Indian Hill

Professor of Mathematics on the Joseph W. Fiske Foundation, 1904. Emeritus.

GRACE ELLA BERRY

353 W. Eleventh

Dean of Women, and Associate Professor of Mathematics, 1904. Emeritus.

MARO BEATH JONES

807 College

Professor of French Literature, 1911. Emeritus.

RAYMOND CUMMINGS BROOKS

5353 W. 3rd St., Los Angeles

Professor of Religion on the Nancy M. Lyon Foundation, 1911. Emeritus.

BRUCE McCULLEY

210 E. Foothill

Professor of English Literature, 1921. Emeritus.

WILLIAM ATWOOD HILTON

1293 Dartmouth

Professor of Zoology on the Willard George Halstead Foundation, 1905.

B.S., Cornell University; Ph.D., Cornell University.

BERNARD CAPEN EWER

706 Indian Hill

Professor of Psychology, 1916.

B.A., Brown University; M.A., Brown University; Ph.D., Harvard University.

¹Active Faculty arranged in order of appointment to present rank. The number in each case denotes the beginning of original term of service.

H HAINÉ LYMAN

357 W. Tenth St.

*Professor of Applied Music, Head of Department of Music, 1917.**., Grinnell College. Student in voice with Karleton Hackett, William Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Tyler and other American masters and with Vittorino Moratti in Berlin.*AM EVAN NICHOLL¹

Eli P. Clark Hall

*Dean of the College, 1919.**., Bellevue College; M.A., Columbia University. Graduate Student, Edinburgh University.*

ER ELMER ROBBINS

487 Harrison Ave.

*Professor of Classical History and Language, 1915, and Director of the Library.**., M.A., Ph.D., University of Michigan.*AM KIRK²

705 Indian Hill Blvd.

*Professor of Sociology on the Henry Snyder Foundation, 1922.**., Johns Hopkins University; Ph.D., Johns Hopkins University.*

GE SAMUEL BURGESS

1175 College Ave.

*Professor of Law and Secretary of the Faculty, 1918.**., University of Michigan; J.D., University of Michigan.*

E WHITE NIXON

1034 Harvard Ave.

*Professor of Physical Education for Men, 1916.**., Monmouth College; M.A., Columbia University. Graduate Student, Wisconsin and California Universities.*

K WESLEY PITMAN

116 E. Twelfth St.

*Professor of History on the Warren Finney Day Memorial Foundation, 1924.**., Yale University; M.A., Yale University; Ph.D., Yale University.*

ND RAY TILESTON

1129 Dartmouth Ave.

*Professor of Physics on the Seeley W. Mudd Foundation, 1925.**., Dartmouth College; M.A., Dartmouth College; D.Sc., Colorado College.**on leave, second semester, 1940-41.**on leave, first semester, 1940-41.*

CHARLES TABOR FITTS

4435 N. Live Oak Drive

Professor of Education, 1919.

B.A., Amherst College; M.A., University of California. Graduate Student, Harvard University.

PHILIP ALEXANDER MUNZ

1165 Indian Hill Blvd.

Professor of Botany on the Henry Kirke White Bent Foundation, 1917.

B.A., M.A., University of Denver; Ph.D., Cornell University. Graduate Student, University of Chicago.

KENNETH DUNCAN

1100 Harvard Avenue

Professor of Economics on the Stedman-Sumner Foundation, 1926.

B.A., Wabash College; M.A., University of Wisconsin; Ph.D., University of Michigan.

ALFRED OSWALD WOODFORD

443 W. Tenth Street

Professor of Geology, 1915.

B.A., Pomona College; Ph.D., University of California.

JESSIE EDITH GIBSON¹

405 Yale Avenue

Dean of Women on the Martha N. Hathaway Foundation, 1927.

B.A., University of Idaho; M.A., University of Washington. Graduate Student, California and Columbia Universities.

CHARLES JUDSON ROBINSON

809 Indian Hill Blvd.

Professor of Chemistry on the Carnegie Foundation, 1927.

B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University.

EDWARD TAYLOR

1022 Harvard Avenue

Professor of Engineering Mathematics, 1920.

C.E., University of Minnesota; M.A., University of Southern California. Graduate Student, University of Oregon.

EDWARD MCCHESNEY SAIT

238 E. Seventh Street

Professor of Government, 1928.

B.A., Toronto University; M.A., Toronto University; Ph.D., Columbia University.

CHESTER GEORGE JAEGER

1045 Yale Avenue

Professor of Mathematics, 1931.

B.A., B.S., M.A., Ph.D., University of Missouri.

¹Absent on leave, first semester, 1940-41.

FACULTY

11

ROBERT SIDNEY ELLIS 917 Harvard Ave.
Professor of Psychology, 1931.
 B.A., University of Arkansas; Ph.D., Clark University.

WALTER ALFRED ALLEN 175 East 12th St.
Professor of Musical Theory and Appreciation, 1912.
 B.A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.

VERETT SAMUEL OLIVE University Club, 8th and Amherst
Professor of Piano, 1923.
 B.Mus., Simpson College. Graduate Student, Simpson College. Pupil of Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.

HOWARD HUNT PATTEE 188 West 7th St.
Director of Admissions, 1932.
 B.A., Pomona College; M.A., Stanford University; Graduate Student, Columbia University.

JAMES WHITE CROWELL 465 Harrison Ave.
Professor of Romance Languages, 1929.
 B.S., Haverford College; M.A., Haverford College; Ph.D., Cornell University.

ELIZABETH KELLEY Maryland Ave.
Professor of Physical Education for Women, 1928.
 B.A., University of Wisconsin; M.A., New York University; Ph.D., Stanford University.

RAY ERWIN BABER 911 Indian Hill Blvd.
Professor of Sociology, 1939.
 B.A., Campbell College; M.A., Ph.D., University of Wisconsin.

HANK E. BARBER 430 West Twelfth St.
Professor of Military Science and Tactics, 1937.
 Graduate, Infantry School. Major, U.S. Army.

LIOTT CURTIS LINCOLN 472 W. Tenth St.
Associate Professor of English Literature, 1924.
 B.A., Colby College; M.A., State College of Washington and Harvard University.

BENJAMIN DAVID SCOTT

828 College Ave.

Associate Professor of Public Address, 1923.

B.A., University of Southern California; S.T.B. Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard Universities.

WALTER TICKNOR WHITNEY

445 W. Tenth St.

Associate Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.

B.S., M.S., Pomona College; Ph.D., University of Chicago.

BERNARD EUGENE MELAND

275 West 10th St.

Associate Professor of Religion, 1936.

B.A., Park College; Ph.D., University of Chicago. Graduate Student, McCormick Theological Seminary, Marburg University.

THOMAS MONTAGUE BEGGS¹

424 W. Tenth St.

Associate Professor of Art, 1926.

B.F.A., Yale University. Graduate, General Art Course at Pratt Institute.

CARL BAUMANN

459 West 11th St.

Associate Professor of German, 1931.

Ph.D., University of Basel.

FRANCIS RAYMOND IREDELL¹

1060 College Ave.

Associate Professor of Philosophy, 1925.

B.A., Pomona College; M.A., Ph.D., Harvard University.

HAROLD DAVIS

612 West 10th St.

Associate Professor of English, 1927.

B.A., Stanford University; B.A. and B.Litt., Oxford University.

ERNEST ALBERT STRATHMANN

Associate Professor of English, 1932.

B.A., M.A., Ph.D., Johns Hopkins University

NORMAN THEODORE NESS

880 College Ave.

Associate Professor of Economics, 1928.

B.A., Carleton College; M.A., University of California; Ph.D., Harvard University.

ROBERT LOBINGIER STREHLE

1019 Dartmouth Ave.

Associate Professor of Physical Education for Men, 1923.

B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, University of Southern California, University of California, Stanford University.

¹Absent on leave, first semester, 1940-41.

COLVIN HEATH

270 W. 12th St.

Assistant Professor of Physical Education for Men, 1922.

B.A., Pomona College; M.A., Stanford University.

ROSA FRIEDA BISSIRI

425 Harvard Ave.

Assistant Professor of French, 1920.

B.A., Kreuzlingen College, Switzerland.

MARGARET HUSSON

Maryland Ave.

Assistant Professor of Spanish, 1925.

B.A., University of Kansas; M.A., Columbia University. Graduate study, centro de Estudios Históricos, Madrid.

EMILIE ELIZABETH WAGNER

646 Indian Hill Blvd.

Assistant Professor of German, 1928.

B.A., Smith College; M.A., Pennsylvania State College. Doctorat de l'Université, mention Lettres, Toulouse.

MARION JEANETTE EWING

487 West 6th St.

Assistant Librarian, 1912.

B.A., Olivet College; B.S., Simmons College; M.A., Boston University.

CURTIS HAUPT

433 Baughman

Assistant Professor of Physics, 1930.

B.A., Colorado College; M.A., University of California. Ph.D., University of California.

KENNETH G. FISKE

905 Harvard Ave.

Assistant Professor of Violin, 1936.

B.Mus., M.Mus., American Conservatory of Music. Pupil of Leon Sametini, Jacques Gordon, Otakar Sevcik.

JOHN HOWES GLEASON

University Club

Assistant Professor of History, 1939.

B.A., Ph.D., Harvard University; B.Litt., Oxford University.

CHARLES BURTON FAHS¹

160 West 11th St.

Assistant Professor of Oriental Affairs, 1936.

B.S., M.A., Ph.D., Northwestern University; Graduate Student, University of Berlin. Fellow of General Education Board in Paris and Japan.

—
sent on leave, 1940-41.

WILLIAM G. BLANCHARD

140 West 8th St.

Assistant Professor of Music, 1936.

B.Mus., DePauw University; M.Mus., University of Michigan.

CYRIL JURECKA

163 W. 11th St.

Assistant Professor of Art, 1932.

Graduate, Imperial and Royal College of Sculpture, Horice, Bohemia.

HARRY F. HANSON

1096 Harvard Ave

Assistant Professor of Military Science and Tactics, 1940.

Graduate Infantry School. Major, U. S. Army.

EARL JAY MERRITT

Eli P. Clark Hall

Social Director of Men's Campus, Freshman Adviser, and Instructor in Physical Education, 1925.

B.A., Pomona College.

MARY C. LOVE

466 W. Sixth St

Head of Library Loan Department, 1929.

B.A., M.A., Stanford University.

VIRGINIA PRINCEHOUSE ALLEN

175 East 12th St

Instructor in Dramatics, 1930.

B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.

LUCILLE STEVENSON

826 Harvard Ave

Instructor in Voice, 1931.

Student of Charles W. Clark, Alice Prince Miller and Rita Bastiannini.

ESTHER GOSS BRISTOL

470 West 11th St

Instructor in Physical Education for Women, 1935.

B.A., Pomona College; M.A., Columbia University.

ELIZABETH CAWTHORNE

1265 Indian Hill Blvd

Instructor in Physical Education for Women, 1935.

B.A., M.A., University of California.

JOHN HASKELL KEMBLE

Eli P. Clark Hall

Instructor in History, 1936.

B.A., Stanford University; M.A., Ph.D., University of California.

HUGH J. HAMILTON

451 West 7th St.

Instructor in Mathematics, 1936.

B.A., University of California at Los Angeles; M.A., Ph.D., Brown University.

HERALDINE WOMACK

324 Yale Ave.

Instructor in English, 1937.

B.A., Pomona College; Graduate Student, University of London.

GEORGE N. TYSON

329 West 7th St.

Instructor in Chemistry, 1938.

B.A., Pomona College; M.S., University of Southern California.

ORMAN ELLIOTT

337 Harvard Ave.

Instructor in Chemistry, 1938.

B.A., M.A., Oberlin College; Ph.D., California Institute of Technology.

ARYL DAYTON

519 Yale Ave.

Instructor in Piano, 1938.

B. Mus., Oberlin College.

ORMAN PHILBRICK

Eli P. Clark Hall

Instructor in English, 1938.

B.A., Pomona College; Graduate Student, Yale University and Pasadena Community Playhouse.

ILLIAM THOMAS JONES

University Club

Instructor in Philosophy, 1938.

B.A., Swarthmore College; B. Litt., Oxford University; Ph.D., Princeton University.

JERRY DELMAR KIRKWOOD

Eli P. Clark Hall

Instructor in Government, 1939.

B.A., Pomona College and Oxford University; M.A., Fletcher School of Law and Diplomacy, and Harvard University.

SEPH WARNER ANGELL

1145 Harvard Ave.

Instructor in English, 1939.

B.A., College of Wooster; M.A., University of Oregon; Graduate Student, Yale University.

LOUISE E. BIRD

407½ Harvard Av

Instructor in Physical Education for Women, 1939.

B.A., University of California.

SHAU HONG CHAN

Instructor in Oriental Affairs, 1938.

B.A., Lingnan University; M.A., Stanford University.

MERVIN SHIRLEY SNIDER

1011 Harvard Avenue

Instructor in Music, 1939.

B.A., Pomona College; Graduate Student, Eastman School of Music.

WILLIS E. PEQUEGNAT

Instructor in Biology, 1940.

B.A., University of California; Graduate Student, University of California at Los Angeles.

MARGARET MAPLE

320 West 10th St

Recorder, 1940.

B.A., Pomona College.

ELLEN E. BOWERS

618 Harvard Av

Assistant Dean of Women, 1940.

B.A., Pomona College; M.A., Claremont Colleges.

RICHARD TAGGART¹*Instructor in Art.*

Pupil of Alson Clark and Jean Mannheim.

¹First semester, 1940-41.

FACULTY COMMITTEES *

1940 - 1941

ADMINISTRATION—President, Secretary of Faculty, Dean of College, Dean of Women, Munz, Tileston, Iredell, Pitman, Nixon.

ADMISSION—Nicholl (Duncan), Gibson (Bowers), Pattee, Ellis, Taylor, Maple.

ATHLETIC COUNCIL—Woodford, Nicholl, Nixon, three student representatives, and two Alumni representatives.

CLASSIFICATION—Nicholl (Duncan), Whitney, Pattee, Maple, Taylor.

COLLEGE LIFE—Nicholl (Duncan), Gibson (Bowers), Jaeger, Merritt, Kelley, Tyson, President Associated Students, and President Associated Women Students consultant members on call.

COURSES OF STUDY—Burgess, Munz, Fitts, Baumann, Strathmann, Hamilton, Gleason, Dayton.

ENGLISH—Scott, Hamilton, Wagner, Elliott.

HEALTH—Robinson, Nicholl, Gibson, Nixon, Kelley, A.W.S. and A.M.S. Presidents consulting members on call.

HONORS—Davis, Robbins, Robinson, Kemble, W. T. Jones.

LIBRARY—Baumann, Burgess, Crowell, Robbins, Ewing, Hilton, Pitman, Duncan, Angell.

PERSONNEL—Gibson, Fitts, Nicholl (Duncan), Pattee, Merritt, Maple, Ellis, Bristol, Husson, Ness, Bowers.

PUBLIC EVENTS—Nicholl (Duncan), Burgess, Lyman.

RELIGIOUS ACTIVITIES—Meland, Nicholl, Scott, Lyman, Ness, and two student representatives.

SCHOLARSHIPS—Iredell, Nicholl (Duncan), Gibson (Husson), Tileston, Jaeger, Kemble.

STUDENT AID—Nicholl (Duncan), Gibson (Bowers), Pattee, Merritt.

First person named is chairman, second named is vice-chairman.
Person named in parenthesis is alternate for one immediately preceding.

GENERAL INFORMATION

EARLY DAYS

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California.

ORIGINAL TRUSTEES

Henry Kirke White Bent	Pasadena
Nathan W. Blanchard	Santa Paula
Anson Brunson	Los Angeles
Elwood Cooper	Santa Barbara
James T. Ford	San Bernardino
James H. Harwood	San Diego
David D. Hill	Pasadena
Theodore C. Hunt	Riverside
George W. Marston	San Diego
John K. McLean	Oakland
Henry A. Palmer	Oakland
Seth Richards	Boston, Mass.
Charles B. Sheldon	Pomona
Charles B. Sumner	Pomona
Andrew J. Wells	Long Beach

Of this group, Mr. George W. Marston is still a member of the Board. He served as its President for twenty-seven years, and is now Honorary President.

The College was incorporated October 14, 1887. The work of instruction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel at Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the College. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrolment has been held at approximately 750 divided equally between men and women and among the four classes.

A NEW DEPARTURE

The imperative demand for expansion led to the adoption under the inspiring leadership of President James A. Blaisdell, of the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps, whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

Claremont Colleges, with its own trustees known as "The Board of Fellows," some of whom are also trustees of Pomona or Scripps, constitutes a central group, focusing a mutual effort, to return to each member of that group a stimulating and complementing influence. Through the bequest of the late Seeley W. Mudd, first chairman of its Board of Fellows, and erstwhile a trustee of Pomona College, Claremont Colleges received a fund of one million dollars for the establishment of its work.

These three institutions, Pomona, Scripps and Claremont, are independent, but cooperate in maintaining certain mutual activities and facilities. Pomona and Scripps exchange upper division classroom privileges, thus enlarging the opportunity of the more advanced students for a choice of instructors and subject matter. The Graduate School, the central library, the summer session, and in part the sponsoring of research work are carried on as common enterprises of the three institutions under the administration of Claremont Colleges. The buildings and facilities of Claremont Colleges and the laboratories of Pomona College are for the use of all.

Claremont Colleges undertakes also in behalf of the group the administration of the health service, which includes the full service of a physician and the operation of a thoroughly up-to-date

infirmary, the responsibility for an auditorium seating 2600 for the music and lecture courses presented in it each year, development of a central heating plant, the purchasing and cataloging of books for all three libraries, and the conduct of a common business office, each institution sharing proportionately the cost of these common services. An "Intercollegiate Council" serves as a co-ordinating agency for matters of mutual concern.

POMONA'S IDEAL

A vital feature of the Claremont plan is the enhancement of scholarly life among undergraduates. Pomona represents an effort to maintain in an exceptionally favorable environment a small independent residence college where the inestimable advantages of intimacy are secured, but where the advantages of modern facilities and intense competition are also secured by its association with these other colleges situated in close proximity to it and where the selective process assures, as nearly as possible, a company of students who will really profit by college experience.

From the very beginning Pomona College has maintained a reputation for interest in thorough scholarship rather than in large numbers. Membership in the institution itself is regarded as a scholastic honor. Since September 1924 Pomona has maintained an honors type of instruction which gives special consideration to students of recognized ability for independent study. In a word, Pomona College, in the midst of a very rapidly developing region of Southern California, is endeavoring to maintain the values of a broad cultural preparation for life.

SOCIAL TRAINING AN ESSENTIAL PART OF EDUCATION

In seeking to achieve this purpose Pomona is making use of living conditions, dormitories, dining halls, social intercourse, to an extent and in a way not yet adequately developed in other American colleges generally, as a fundamentally important part of the undertaking.

Dining together in finely appointed college halls induces social amenities not acquired otherwise. Exchange dinners between the women's campus and the men's campus afford opportunities for

ial intercourse and entertainment at no extra expense. The fraternities have their special rooms within the dormitories in close association with the rooms assigned to the members of the several clubs.

Pomona's co-educational character greatly increases the culture of its student body. Working together on social as well as academic problems, men and women students associate in mutual respect and dignity. The graduates of this college testify that these relations add to the genuine wholesomeness and roundedness of the student's life. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it is obligated to promote the consideration of those age-long spiritual aspirations and interpretations which constitute religion. It urges each student to correlate correctly these factors with the discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of education, to seek an interpretation of his own guided by a critical study of those arrived at by others. It thus seeks to develop future leaders of intellectual capacity and altruistic purpose. While originally Congregational in organization, the College long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, though nonsectarian.

BUILDINGS AND EQUIPMENT

In addition to the grounds and buildings administered by Claremont Colleges in behalf of both Pomona College and Scripps College, Pomona College itself occupies about one hundred and twenty acres, of which sixty are included in Blanchard Park, twenty in Alumni Athletic Field, and fifty in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from the central heating plant operated by Claremont Colleges.

The Mary L. Sumner Hall, named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodeled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Monmouth, Massachusetts, reconstructed in 1916 in conformity with modern plans for buildings and campus, is devoted mainly to chapel and recitation rooms, departmental offices and the offices of the Associated Students.

The Business Office of Pomona College is maintained in Hawthorne Hall, administered by Claremont Colleges.

The Library, the gift of Mr. Andrew Carnegie, is an imposing structure, well adapted to the purposes for which it was built.

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some twenty students besides the House Master and one or more instructors; two additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George W. Marston in memory of Rev. Lucien H. Frary, a Trustee from 1892 to 1903. Besides the Great Hall which will seat 450, there are three smaller dining rooms for special uses.

Harwood Court, a modern dormitory which includes Strawberry Hall, accommodates 180 women. Florence Carrier Blaisdell Hall, named in honor of Mrs. James A. Blaisdell, houses 80 women. The College also maintains several houses with similar accommodations. All women residents are served by the Aurelia Squier Harwood Memorial Dining Hall.

The Student Union, provided through the gifts of many parents supplemented by funds from the Associated Students and the bequest of the late Florence Riley, houses student offices, including publications, the graduate manager, and the Cooperative Store. It provides a social center for all students and an attractive and adequate ballroom so that off-campus dances are necessary.

Rembrandt Hall is devoted to the Department of Art. The upper floor contains studio and work rooms; the lower floor two auditoriums of moderate size for exhibits and lectures.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges of San Diego, offers excellent facilities for the study of music.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2600 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, seats over 4000.

The Gymnasium, comprising two structures, affords equipment for indoor physical training supplementing the various outdoor fields for men and for women.

The Memorial Training Quarters stands as a remembrance of Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of these men, Sheldon W. '17, supplemented by those of alumni, students and friends. Adjacent to the Training Quarters is a modern standard size swimming pool for men.

The Pearsonson Hall of Science, the gift of Dr. D. K. Pearsonson, contains the laboratories and lecture rooms of the departments of Physics and mathematics.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn P. Brackett, '01, serves the Department of Astronomy.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

A replica of the original house in Pomona in which the College first opened in September, 1888, has been erected on the campus recently, through the generosity of an anonymous donor.

It contains the historical exhibit set up in recognition of the Fiftieth Anniversary, and will become ultimately a museum of Pomoniana.

The Marine Laboratory, located at Laguna Beach, has nine private rooms for special workers and two general laboratories as well as storerooms, work rooms and aquarium room.

The Pomona College summer camp at Bluff Lake in the San Bernardino Mountains consists of five cabins, located on a tract of 120 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great and unspoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in the service.

THE LIBRARY

An adequate library of 94,000 well selected volumes and 96,700 pamphlets is available for student use. Most of the pamphlets are unbound government documents, equivalent to about 9,000 volumes if bound. The library receives subscriptions to 80 periodicals and maintains bound files of approximately 500, many of which are complete. Especially valuable are the periodical holdings in the field of natural science. It is a depository for U. S. government Documents and the publications of the Carnegie Institution. The library with the exception of science department collections is housed in the Carnegie Library building constructed in 1908. Its reading rooms accommodate 165 readers. The following special collections are a part of the general library: the Cook-Baker Biological Library and the Parish Botany Library in Crookshank Hall; the Astronomical Library in the F. V. Brackets Observatory; the James A. Lyman Memorial Library in Chemistry and the Geology Library in Mason Hall; and the Physics Library in Pearsons Hall. Housed in the main building are the New England, the Mason California, and the Wagner North Pacific Libraries and the Westergaard and Carnegie Art Collections.

The library is open to the students and faculty of the Associated Colleges and to the residents of Claremont. Permission

the library by persons not connected with the colleges must be obtained from the librarian.

An experienced and efficient staff member is on duty to assist students at all hours which the library is open. Most of the books are on open shelves where students may consult them at all times. With the exception of reference books, periodicals, and rare volumes, books may be borrowed for two weeks. Certain books in great demand for class use are placed on reserve, subject to special circulation rules.

In addition to the facilities of Pomona College Library there are also available the libraries of Scripps College and of Claremont Colleges. The Scripps College Library of approximately 1000 volumes is housed in the Ella Strong Denison Library. It contains in addition to its general collection the McPherson collection of books about women, and the Stephenson Memorial collection of American History. The library of Claremont College, located in Harper Hall, contains approximately 34,000 volumes, including the Oriental Library and the George Burton Smith Collection of English History.

LECTURE FOUNDATIONS

THE JOSEPH H. JOHNSON FOUNDATION, liberally endowed by Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence in Pomona College. The opportunity of intimate contact with distinguished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of the institution from which these educators come.

THE HENRY D. PORTER FOUNDATION, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, reserves to the institution annually, the extended stay of some eminent worker in the field of Christian Missions. The lecturer from this foundation commonly shares in the regular classroom instruction related to the history, geography, politics or religion of the region from which he has come. This presentation is one of the most stimulating features in the program of the College.

THE CLARK FOUNDATION, established by Mr. Arthur O. Clark, enables it possible for the College to offer each year a lecture or series of lectures in the general field of religion.

Music

In order to insure to the entire student body the opportunity hearing and seeing the great artists of the day, whose public appearance is usually confined to the larger cities, the College operates with Scripps College and Claremont Colleges in the production each year of a group of the most distinguished masters in the field of music. Among the artists recently presented have been: Yehudi Menuhin, Lawrence Tibbett, Argentineta, Vrons and Babin, and the Los Angeles Philharmonic Orchestra.

For the concerts thus afforded an annual ticket is furnished every full-time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of faculty and by groups are given on Monday evenings.

The College Symphonic Band, Symphony Orchestra, the Chorus, the Men's and Women's Glee Clubs and chamber music groups afford opportunity for the study and public performance of the finest in ensemble music.

PUBLIC ASSEMBLIES

It is the practice of the College to give opportunity for consideration and expression of the common college interests.

On Thursday at 11 a.m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of the addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a.m. a brief devotional Chapel Service is held, attendance at which is voluntary.

Special Vesper Music services are offered on Sunday afternoons from time to time. The Student Forum is held each Sunday evening at 7 p.m. in the Student Union Lounge except one Sunday each month when the College Church convenes in Bridges Hall at 7 o'clock and is followed by the Student Forum in the Student Union.

It is hoped that students will associate themselves with the Claremont Church or others in neighboring communities, in connection with these assemblies.

tion with which many forms of religious activity are maintained.

CAMPUS ORGANIZATIONS

THE ASSOCIATED STUDENTS. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing body composed of class presidents and chairmen of other organizations representing various activities of campus interest.

ASSOCIATED MEN STUDENTS } These organizations consider
ASSOCIATED WOMEN STUDENTS }
 and promote the special interests of the men and women respectively.

STUDENT-FACULTY COUNCIL. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for their consideration and action.

CLASS ORGANIZATIONS. Each of the four college classes is organized for the purpose of promoting class social life.

DEPARTMENTAL ORGANIZATIONS. Astronomical Society; El Culo Espanol; Le Cercle Francais; Mathematics Club; German Club; Women's Athletic Association; Science Club.

PHI BETA KAPPA. The Pomona Chapter of Phi Beta Kappa is Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

HONOR SOCIETIES. Alpha Delta Mu,—Journalism Fraternity; Gamma Chapter, Alpha Kappa Delta,—Sociology Fraternity; Phi Kappa Phi; Mortar Board.

LOCAL SOCIAL FRATERNITIES. Alpha Gamma Sigma; Kappa Alpha; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Alpha; Sigma Tau.

MUSICAL ORGANIZATIONS. Men's Glee Club; Women's Glee

Club; Honorary Music Club; Symphony Orchestra, Symphony Band, Chamber Music Groups, Opera Club.

RELIGIOUS ORGANIZATIONS. The Religious Council which comprises Student-Faculty committees on religious activities.

MISCELLANEOUS ORGANIZATIONS. Kallimachos,—Library Club; Masquers and Thespians,—Dramatics; Orchesis,—Dancing; Opera Club; Ski Club.

PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published monthly (except July and August). These include: *The Annual Catalog*, *The Report of the President*, *The Register of Alumni*, *The Newsletter*.

The Journal of Entomology and Zoology is published under the auspices of the Department of Zoology.

STUDENT PUBLICATIONS

The *Student Life* is published three times a week by the student body and is devoted to current affairs.

The *Metate* is published each year by the Associated Students and contains material appropriate to a college annual.

The *Sagehen*, a magazine of humor, is published three times a year.

The *Hand Book*, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College and the advantages of unusual attention and opportunity are offered. The climate of Southern California offers out-of-door life the year round. Supervision is given to athletics in all seasons. A regular physician is on the staff of Claremont Colleges, under whose direction every student on entering has physical examination. Regular work in physical education is prescribed throughout the four years, and courses in Physiology and Hygiene are given.

The College endeavors to safeguard students in the use of physical facilities, laboratories, athletic fields, and gymnasiums and to this end the departments have established regulations concerning the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk.

ATHLETICS. The direction and financial management of athletics rest with the Director of Athletics, who has associated with him as an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general manager there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed for the alumni into athletic grounds admirably equipped and unsurpassed in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, the courses of the Indian Hill Golf Club are available, and athletic exercises and field sports are encouraged.

A swimming pool, of the standard size for water polo, and fully equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

MEDICAL CARE

The medical advice of the College Physician is ordinarily available free of charge, to all students, subject to certain conditions of hours and location of residence. Minor ailments are treated in the Physician's office or at the Infirmary, used for cases requiring nursing and certain types of hospital care. All surgical treatments and medicines are at the expense of the ill or injured student. Also medical service in chronic or prolonged illness or in case of accident, or an acute illness beyond ordinary first-aid emergency treatment.

Each student is entitled to two days each semester at the College Infirmary without charge for room and meals if illness requires hospitalization. For additional days the charge is two dollars per day. *The College, however, reserves the right to discontinue this individual medical service at any time, without previous notice.*

The College does not assume responsibility for the complete medical care of all its students, but only in so far as its present facilities will afford. Preventive medicine and campus health education are stressed in the College medical program.

For curative treatment, students have ready access to the College Health Service and to the consultants among the leading physicians of Claremont and Pomona. However, complete service is not financed by the College. The College nurse visits the

residence halls each morning in order to see those students reported ill.

When specialists, consultants and special nurses are required such fees will be met by the student. In any illness the student is free to choose his own physician on a private fee basis.

RESIDENCE FOR MEN

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that men not actually living at home will live and dine in college halls.

Residential campus privileges are provided only on the basis of an inclusive yearly charge varying from \$430.00 to \$605.00, according to location of room. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread.

Smiley Hall has both single and double rooms and suites of three rooms accommodating two students.

On the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for two students. The other halls have both single rooms and suites.

RESIDENCE FOR WOMEN

It is expected that women students will room in the college residence halls and board at the dining rooms in Harwood Court. Freshmen are required to reside in Harwood Court. Students living at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, in which is included the dormitory known as Strong Hall, and the several College Houses which afford residence facilities, have both single and double rooms as well as suites. Florence Carrier Blaisdell Hall, the new dormitory for women, has mostly single but also a few double rooms. Each room is provided with the necessary furnishings, including rug and covers. The only articles to be furnished by the student are linen and covers for a single bed.

Residential campus privileges are provided on the basis of an inclusive yearly charge of \$525. A limited number of special grants-in-aid applicable to this charge are available. Information can be obtained from the office of the Dean of Women.

RESIDENCE REGULATIONS

The residence privilege does not include the use of the rooms during Christmas and Spring vacations, when the halls are closed. The residence halls are open for new students the Friday before opening of the college year and for returning students the day after registration. The residence and boarding privileges end 24 hours after the last examination at the end of the year for all students except seniors and those asked by the college to remain through commencement. The residence and dining halls are closed the day after Commencement.

A residential breakage fee of \$10 is required from each student, in which deductions are made for individual and communal damage to college property, any balance being credited to the student's account on graduation or upon notice of withdrawal prior to August first.

The college reserves the right to dismiss from a dormitory without rebate any student who becomes a disturbing or undesirable occupant.

EXPENSES

The fees charged cover only about one-half of the cost of maintaining Pomona College. The money received from students is supplemented by income from permanent funds and by gifts secured from year to year.

SPECIAL FEES

Application Fee	-	-	-	-	-	-	-	-	-	-	-	\$ 3.50
Deposit, required of all accepted candidates	-	-	-	-	-	-	-	-	-	-	-	25.00

A deposit of \$25 on account of first semester bills is required of accepted candidates for admission, payable within 30 days of acceptance, unless the candidate is participating in the competitive scholarship examinations.

Candidates for scholarships who do not win awards but wish to have places in college must deposit \$25 within thirty days of the announcement of the awards.

Failure to make this payment results in the removal of the candidate's name from the reserved list both for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who have not paid are placed after those who have paid. Should an accepted candidate who has paid this deposit withdraw by September first, \$15 will be refunded. Candidates on the waiting list for whom places are not provided will have the entire deposit refunded.

REGULAR TUITION, including Artist Course season ticket,
and athletic events ticket per semester \$175

SPECIAL TUITION, exclusive of above general privileges,
for students carrying less than ten units of work, for
each such unit (see page 68) per semester 17

Visitor's Fee, required from those visiting a course
of study per course 10

Laboratory Fees \$2 to

Laboratory Breakage Deposits \$5 to

Fees for Applied Music \$25 to

Practice Fees, Applied Music \$1.50 to \$9

Fees for Applied Art \$5 to

For exact fee see *Courses of Instruction*

Late Registration Fee (see page 47) \$2 to

Special Examination Fee (see page 50) \$1 to

Associated Student Dues per semester \$7

This charge is made upon all regular students by action of
Associated Students. Recognizing the value of the activities s
ported by this fee, the College requires its payment and reserves
right to approve the budget for which it is spent.

Graduation Fee

Every student expecting to graduate at the end of any gi
semester must so indicate on his registration card for that sen
ter, and must include the graduation fee with the payment of
other fees at the time of such registration. Failure to indic
such expectation or thus to pay the graduation fee will au
tomatically exclude from graduation that semester.

BILLS

All College bills are due each semester in advance and must
paid by the student at the time of registration. Payment
residence privileges on an installment plan may be arranged in c
ference with the Controller at an extra charge of one dollar
each extra payment. No refunds are made to those leaving bet
the end of the semester except that in the case of those leav
before the middle of the semester because of illness one-half
the tuition and laboratory fees are refunded and in the case
those dropping out for good cause within a week of their re
stration all but \$25.00 is returned. No refund is made on a r
payment unless the room is re-rented to someone not then roo
ing in a college residence hall.

Students are not given honorable dismissal nor graduated whose bills are not paid. Seniors must settle all college bills and Library obligations by four p.m., of the fourth day preceding commencement if they are to receive their diplomas with their degrees.

PRIZES

The following prizes are offered for proficiency in the work of several departments:

ART

THE EUGENE C. CRAMER PRIZES: A first prize of \$15.00 and a second prize of \$10.00 awarded for excellence in drawing and design in work presented for the annual exhibition in May. Given by Mrs. Eugene C. Cramer in memory of her husband, who was an artist.

ASTRONOMY

THE MONCRIEFF ASTRONOMY PRIZE: A prize given to the student in the first year course in Astronomy, taken regularly in class, whose interest in the study and proficiency in the observatory work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars given by Miss Flossie C. Moncrieff, '11.

BIOLOGY

THE VAILE PRIZE: A prize of twenty-five dollars to be awarded an outstanding student in Botany or Zoology was endowed by the late Mr. Charles S. Vaile.

ENGLISH

THE F. S. JENNINGS MEMORIAL PRIZES: Three prizes for men and three prizes for women of fifty, forty and thirty dollars each for excellence in English, are available each semester, to members of the Freshman class taking English A1. In the award of these prizes attention is given to the interest shown by the student in improving the quality of his written and spoken English.

GENERAL

THE RENA GURLEY ARCHIBALD HIGH SCHOLARSHIP PRIZE: A prize of fifty dollars to be awarded to that member of the graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Andrew W. Archibald, D.D.

GOVERNMENT

THE THORNE-RIDER INTERNATIONAL RELATIONS PRIZE: A prize of \$50 awarded to a student in the Department of Government, taking the course in International Relations, who submits the best essay on a subject approved by the Department. This prize is given annually by Count and Countess Frederic Thorne-Rider.

LATIN

THE MUDGE LATIN PRIZES: Prizes for excellence in Latin.

First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

LIBRARY

THE EDA MAY HASKELL LIBRARY PRIZE: A prize of at least fifteen dollars in the form of a purchase order for books offered for the best library submitted by a student in any class, not necessarily for the largest or most expensive collection but for the most intelligently selected books in one or more fields of the student's interest.

MATHEMATICS

THE LLEWELLYN BIXBY MATHEMATICS PRIZE: A prize for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15. A prize of ten dollars is given by Mr. Llewellyn Bixby.

MUSIC

THE BARBARA SANFORD ALLEN PRIZE: An annual competitive prize of fifty dollars to be awarded to a student in the department of music, above freshman rank. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

THE THORNE-RIDER MUSIC PRIZE: A prize of fifty dollars in applied music, awarded to the student most worthy of recognition, as determined by the faculty of the music department. This prize is given annually by Count and Countess Frederic Thorne-Rider.

PUBLIC SPEAKING

THE KINNEY DECLAMATION PRIZES: A prize declamation contest, open to the members of the Freshman class, occurs near the middle of the year. First and second prizes of fifteen and ten dollars, respectively, are endowed by Mrs. H. N. Kinney.

THE DOLE DEBATE PRIZES: A prize debate for Lower Division men is arranged for the close of the second semester. First and second prizes of thirty and twenty dollars, respectively, established by the late Mr. John H. Dole in memory of his brother, Mr. William B. Dole, are endowed by Mr. Arthur M. Dole.

THE KNEELAND ORATORY PRIZES: A prize oratorical contest open to Lower Division men of Pomona College and men of the Southern California Junior Colleges of the Eastern Division is held during the second semester. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

THE KNEELAND DEBATE PRIZES: A prize debate open to Upper Division men is to be held for the first time toward the close of the second semester of 1936-1937. This debate replaces the former

er Kneeland Upper Division Oratorical Contest. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

THE STELLA KING PRIZES: The opportunity to compete for a first prize of seventy-five dollars and a second prize of fifty dollars for speeches of their own composition is offered to Upper Division men. The judges have the right to distribute the prize money otherwise than in the sums indicated, or to withhold all awards if they feel warranted in so doing. These prizes were endowed by the late S. H. Wheeler, in memory of Miss Stella King.

RELIGION

THE HAGER PRIZES: Prizes for the best essays on a foreign missionary subject, open to all students were endowed by the late Mr. and Mrs. C. R. Hager. At present first and second prizes of twenty and ten dollars respectively are offered.

DEPARTMENTAL SCHOLARSHIPS

ART

THE HANNAH TEMPEST SCHOLARSHIP FUND OF \$5,000. Income to be divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

MILITARY

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrolment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a six weeks' summer training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarships of about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrolment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be given consideration in the selection of those to whom these scholarships will be awarded.

MUSIC

THE KATE CONDIT BRIMHALL MEMORIAL MUSIC SCHOLARSHIP FUND, \$2,000. Given by the late Mr. and Mrs. A. P. Condit.

THE PRESSER FOUNDATION SCHOLARSHIP of \$250, given annually by the Presser Foundation of Philadelphia. Awarded on rec-

ommendation of the Music Department to a student of outstanding ability.

PHYSICS

THE RICHARD P. EDMUNDS MEMORIAL FUND provides a scholarship of full tuition for an upper division man student (preferably one who has attended during the first two years) nominated to the Scholarship Committee by the Professor of Physics near the close of each scholastic year for use the following year.

SPECIAL SCHOLARSHIPS

KAPPA DELTA HONOR SCHOLARSHIP ENDOWMENT OF \$2,460.10 Given by members of Kappa Delta Fraternity. The income from this endowment is supplemented by individual pledges to yield a scholarship of \$250, administered under a special committee. Awarded to a man at the beginning of his senior year.

THE PHI BETA KAPPA SCHOLARSHIP. A scholarship of \$175 endowed by the Pomona Chapter of Phi Beta Kappa is awarded at the beginning of the second semester to a senior who has been in residence for three and a half years at Pomona and who is selected by the Faculty for the high quality of his scholarship and his promise of future distinction. The award is open to both men and women.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP. \$500 a year from The Sanborn-Pitzer Foundation established by Russell K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

THE MALCOLM EVERSELE MEMORIAL FUND provides a scholarship of full tuition for a man in the Junior Class to be nominated to the Scholarship Committee by the President of the College at the end of the nominee's second year in Pomona College. The selection will be based not on scholastic record only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

GENERAL COMPETITIVE SCHOLARSHIPS

All General Scholarships in Pomona College are competitive and are awarded in three groups: (1) to entering Freshman students, (2) to Junior College transfers, and (3) to resident articulated students. The general and respective terms of awards are stated in the following paragraphs.

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to make awards only to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.

- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in the college community.
- (3) Physical vigor as shown by interest in outdoor sports, or in other ways.

Before making application to the Committee on Scholarships, applicants who are not matriculated students in Pomona College must file application for admission to the College with the Committee on Admissions (fee \$3.50). In the case of freshmen it is ordinarily expected that they will not have attended any other college or university. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the head of the school from which he comes, and will be required to take competitive examinations. The examinations for freshmen will be held on Saturday, December 7, 1940. The examinations for Junior College transfers will be held on Saturday, March 8, 1941. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special evidence, by examination or interview, which it may deem necessary to determine the candidate's fitness.

SCHOLARSHIPS FOR NEW STUDENTS

FRESHMEN

From the General Competitive Scholarships the following are available for candidates for admission to the Freshman Class for academic year 1941-42, half of the stipend being available for the first semester and half for the second:

Four Scholarships of Five Hundred Dollars each, applicable to institutional expenses, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Dollars each, open to both men and women; two from the Thomas J. Dowling Fund and two from the Margaret Burton Harwood Memorial Fund.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women: One of these is from the Henry G. Brainerd and Fannie Howard Brainerd Memorial Fund.

For the two following groups, the award becomes available to the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory:

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women.

Four Scholarships of One Hundred Fifty Dollars each, two for men and two for women, who are nominated for the same by the California Scholarship Federation.

Applications for above freshmen scholarships, 1941-42, should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships by November 15, 1941. The examinations are held on Saturday, December 7.

Announcement of awards will be made on or before February 15, 1941.

JUNIOR COLLEGE TRANSFERS

From the General Competitive Scholarships the following are available for candidates from Junior College men or women in the academic year 1941-42, half of the stipend being available for the first semester and half for the second:

Two scholarships of Three Hundred Fifty Dollars each. One of these is from the Margaret Burton Harwood Memorial Fund.

These scholarships are to be awarded under the auspices of the special departments, and the details of the competition will be announced later.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory.

Two scholarships of One Hundred Fifty Dollars each, available to candidates who are recommended for the same by Alpha Gamma Sigma.

Five scholarships of One Hundred Fifty Dollars each.

Applications for above advanced standing scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before March 1. The examinations are held on Saturday, March 8.

Announcement of awards will be made on or before June 1.

SCHOLARSHIPS FOR MATRICULATED STUDENTS

Twenty-one awards of One Hundred Fifty Dollars each are available on a semester basis for matriculated students, men and women, in any class, during the academic year 1940-41. Of the fifteen are from the Olivia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the first semester and ten for the second semester, either upon application to the Committee or upon selection by the Committee from the whole number of those eligible. The

Scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships should reach the Committee on Scholarships before May 15th for the first semester of the following academic year and before January 15th for the second semester of the current academic year.

FELLOWSHIPS FOR GRADUATING SENIORS

The following awards may be made for 1941-42 if qualified applicants appear. Applications should be in the hands of the Committee on Scholarships by February 1, 1941.

Should the student selected waive the emolument, the stipend may be paid to the candidate next in rank, while the first student would be designated Honorary Fellow for the year.

On the HENRY MARTYN BRACKEN FOUNDATION, a fellowship may be awarded to a senior for graduate work in Claremont Colleges. When in any year a graduating senior does not qualify for an award, the stipend may be given to an undergraduate student at Pomona College.

On the WILLIAM LINCOLN HONNOLD FOUNDATION, a fellowship with a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open normally only to students who have done at least full years of work in Pomona College, who are rated in the upper half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in America or abroad.

The appointment will be for one year, but satisfactory work and conduct may earn a renewal, so that a really successful candidate may enjoy the fellowship for more than one year, while at the same time a new appointment may be made from the graduating class each successive year.

The prime purpose of the fellowship is to promote original and creative achievement in the candidate's chosen field of activity rather than merely to reward faithful classroom work. The selection will be based not on scholarship only but on the possession of personal qualities which indicate a high degree of promise in a student of outstanding character. The plans for graduate

work are to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of each year of tenure, each Honnold Fellow is to make a full report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been residing, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship plan.

OTHER AWARDS

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhodes scholarships should advise with the Committee on Scholarships.

GRANTS IN AID

The income of certain funds is supplemented by a budget appropriation to be used in helping to pay the tuition fees of students who are in need of financial assistance. Such aid is given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in their attendance upon college exercises, and who maintain at least "C" grade in their scholastic work.

Aid may be withdrawn at any time from students who prove not to have conformed to the conditions.

The college desires that no student who is doing good work should ever withdraw for purely financial reasons.

Recipients of grants in aid may be asked to render service to the College in exchange.

If a student who has received a grant in aid transfers to another institution before graduation the total sum granted him by Pomona College shall become a loan, repayable according to the terms applicable to regular student loans.

All applications for aid should be made before May 15, 1940 for the first semester and before January 15, 1941 for the second semester of the academic year 1940-41. Address Committee on Student Aid, Sumner Hall.

STUDENT AID FUNDS

GENERAL

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, in memory of her father.

THE L. H. BARROWS FUND OF \$2,500.

THE H. G. BILLINGS MEMORIAL FUND, \$1,000.

THE FLORENCE G. BIXBY FUND, \$5,000.

THE SHERLOCK BRISTOL MEMORIAL FUND, \$400.

THE BESSIE A. BROWN MEMORIAL FUND, \$550. Given by Mrs. Fannie E. Brown of Los Angeles.

THE HENRY HERBERT BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE CLASS OF 1918 FUND OF \$961.78.

THE CHARLES C. CRAGIN MEMORIAL FUND, \$5,025. Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles C. Cragin.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by David R. Crawford and William Crawford, in memory of their mother.

THE BELL CLUB OF POMONA STUDENT AID FUND, \$1,000. To help a woman student.

THE ELWOOD FUND OF \$2,600. Given by Mary E. Elwood of Redlands, California.

THE FORD FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

THE MARGARET FOWLER FUND OF \$1,000.

THE ORREN A. GORTON FUND OF \$5,000.

THE EMMA K. GUILD FUND OF \$44,337.14.

THE MANETTE HAND MEMORIAL FUND OF \$1,500.

THE ALFRED JAMES HARWOOD MEMORIAL FUND, \$8,000.

THE CHARLES E. HARWOOD FUND OF \$5,000.

THE THOMAS F. HOWARD "MEMORIAL SCHOLARSHIP FUND," \$500. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

THE MARY MARVIN JAMES FUND OF \$396.93.

THE HELEN DAY JEWELL FUND, \$1,000.

THE HENRY L. KUNS FUND OF \$2,000.

THE JEAN LOOMIS FUND OF \$2,000.

THE HOWARD J. MILLS MEMORIAL FUND OF \$3,000.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the endowment fund.

THE PAGE FUND OF \$5,000. Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at some time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL FUND, \$2,000. Given by Mrs. C. S. Phelps and Mr. C. A. Phelps, in memory of their son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000.

THE PILGRIM CHURCH OF POMONA FUND, \$1,704.94. Given by the Pilgrim Congregational Church of Pomona.

THE PILGRIM CHURCH WOMEN'S AUXILIARY FUND, \$500. Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mrs. S. T. Potter of Westboro, Massachusetts, in memory of her husband.

THE ANNA H. SEARING FUND OF \$1,800.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her son.

THE CLYDE H. SHIELDS MEMORIAL FUND, \$1,200. Given by R. P. Shields of San Diego, in memory of his oldest son.

THE SWEET MEMORIAL FUND OF \$2,500. Given by Harlan F. Sweet in memory of his wife.

THE MARIA T. WARDWELL FUND OF \$1,000.

THE CLARA B. WATERMAN MEMORIAL FUND OF \$5,000. Given by Miss Rosa May Bennett of Los Angeles.

THE HENRY S. WEST FUND OF \$2,000.

SPECIAL

"CROMBIE ALLEN SCHOLARSHIP FUND" OF \$1,000, half of the income available annually to a graduate of *Chaffey Union High School* and half to a graduate of *Chaffey Junior College* of Ontario, California.

THE MARTHA E. BERRY MEMORIAL FUND OF \$6,000. For foreign students.

THE MABEL S. BRIDGES MEMORIAL FUND, \$3,500. Available for women.

"ALICE PAUL HARWOOD SCHOLARSHIP FUND" OF \$5,000. Open to graduates of *Chaffey Union High School* of Ontario.

STELLA M. KING SCHOLARSHIP AND LOAN FUND FOR WOMEN," 10,000.

Two grants-in-aid, provided annually by REVEREND M. D. NEELAND, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the first semester and \$50 for the second.

THE FRANCIS M. PRICE FUND OF \$1,000. For children of missionaries.

LOAN FUNDS

The College also administers loan funds established by the bequest of Ellen H. Lyman and by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of these funds, it is possible to co-operate in a moderate way, and temporarily, with the pressing needs of students.

THE RAY LOAN FUND made possible by the gift of \$1,000 by Mrs. E. F. Ray provides a means of meeting situations of temporary need.

THE LUCY B. JENCKS MEMORIAL STUDENT LOAN FUND OF \$160, established by the Claremont Chapter of the D.A.R., available for a senior girl to be designated by the Dean of Women.

For more substantial loans over a longer period, the College administers the following funds on an interest bearing basis:

THE CAROLINE PHELPS STOKES FUND, endowed in the sum of \$5,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister.

THE ETHAN ALLEN CHASE AND AUGUSTA FIELD CHASE MEMORIAL FUND OF \$5,000, for men.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

SELF SUPPORT

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many are helping themselves by various forms of labor such as janitor, waiting on tables, general house work, gardening and the like. The most desirable positions are in general secured by our classmates who have proven themselves good workers and students, and those coming to the College for the first time

should be content if any work which they can satisfactorily secure for them. Students in any case should come prepared to pay all bills for at least one semester. Their record during the semester will be a large factor in deciding what opportunities of self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

The National Youth Administration program provided Pomona College during the year 1939-40 the sum of \$1155 per month, which was earned by needy students assigned to socially desirable tasks. Students were permitted to earn an average of \$15 or a maximum of \$20 per month.

ADMISSION

PREPARING FOR COLLEGE

The College welcomes tentative applications from prospective students a year or so in advance and is glad to offer suggestions regarding the best preparation for admission.

Any person interested in preparing for Pomona, or any Principal, Vice-Principal or Counsellor who is responsible for directing the preparatory programs of students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work. The Counselor on School Relations is glad to cooperate with the preparatory schools in planning satisfactory programs for any individual, whether or not they are Pomona College applicants.

Anyone interested may have his records evaluated at any time. By having this done early subsequent admission difficulties may be avoided.

For further information, write to Office of Admissions, Sumner Hall, Pomona College, Claremont, California.

GENERAL REQUIREMENTS AND METHODS OF ADMISSION

Inasmuch as the College expends on its educational work time and money as much as it receives from tuition fees, thus making an investment of some three or four hundred dollars a year in every student admitted to its halls, the College naturally is justified in rendering this service only to those who are properly qualified to profit thereby both in their own development and in their subsequent service to society.

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments. Any student who falls below grade in scholarship may be asked to withdraw.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college values are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

It is the purpose of Pomona College to do a distinctly high grade of work, thus preparing its graduates for special achievement in whatever later callings they may choose. While Pomona College emphasizes the value of a broad general training as preliminary to the highest achievement in any professional field, it offers such a variety of courses that many students readily find the desired combination which constitutes a definite and adequate preparation for later professional training in a special field such as medicine, law, engineering, scientific research, religious or social service, teaching or other fields. Candidates for admission are expected to present satisfactory evidence of their fitness for college, both in character and in scholarship.

Formal application should be accompanied by a fee of \$3.50. A medical examination conducted by an authorized physician, under the direction of the College, is required of all students.

An applicant for admission, upon receipt of notification of acceptance, is required to make a deposit of twenty-five dollars. See page 31.

ADMISSION TO FRESHMAN STANDING

Applicants are admitted to freshman standing in accordance with one of the following plans:

- I. Certificate of graduation from an approved secondary school showing either:
 - A. Fifteen recommended units accumulated during the 9th, 10th, 11th and 12th grades; or

- B. Twelve recommended units accumulated during 10th, 11th and 12th grades.
- Plan II. Certificate of graduation from an approved secondary school showing either:
- A. Twelve recommended units accumulated during 9th, 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
1. A personal letter from the proper official of the school from which the candidate graduated, certifying that he is graduating; and
 2. A satisfactory achievement in specified scholastic aptitude tests; or
- B. Nine recommended units accumulated during the 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
1. A personal letter from the proper official of the school from which the candidate graduated, certifying that he is graduating; and
 2. A satisfactory achievement in specified scholastic aptitude tests.

Note: Certificate of having successfully passed examinations as given by the College Entrance Examination Board will be accepted as the equivalent of secondary school units in subjects covered by such examinations. These examinations are given at stated times and places; information regarding details may be secured from the Director of Admissions.

Plan III. Examination by the College.

ADMISSION TO ADVANCED STANDING

Students who transfer from a Junior College, or from another College or University, and who have sufficient credit therefor are admitted to advanced standing on credentials signed by proper officials. These credentials should give full particulars regarding the nature of the courses taken, the time spent in each and the student's final grade in the same.

THREE YEAR PROGRAM FOR JUNIOR COLLEGE GRADUATES

Recognizing the increasing demand on the part of Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to the

Master's degree rather than a two-year program leading only to the Bachelor's degree, Pomona College calls the attention of those interested in such a procedure to the general statement on page 72 and the subsequent departmental exhibits of upper division and graduate studies.

ENTRANCE SUBJECTS

The only specific requirement is at least 3 units of English. In addition to this, applicants will find it advantageous to present the following: at least 2 units of one foreign language; 1 unit each of history, algebra, geometry, and laboratory science; and 3 or more units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science.

For advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or German. In some fields, a command of both is desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics, will do well to take both Trigonometry and Solid Geometry in High School if possible.

ADMISSION AS SPECIAL STUDENTS

Mature students, particularly those equipped for advanced studies in special departments, may be admitted as special students to courses for which, by ability and preparation, they may be fitted. Special students are not candidates for a degree.

PRE-REGISTRATION AND REGISTRATION

On appointed days, on or before the first Saturday in June, *all student students must fill* out a schedule listing their choice of subjects for the following year.

New students prepare a program of study on announced days the opening of each semester.

Registration is completed by the payment of tuition and fees on one of the regularly announced days preceding the opening of the class work of each semester.

The fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

CHANGES IN REGISTRATION

A student has the privilege of modifying his schedule of studies

by addition or substitution of courses, with the approval of his adviser and the instructor concerned, at any time within two weeks of the beginning of class work for the first semester and one week for the second semester. A student may withdraw from a course, with the approval of his adviser and the instructor concerned, within six weeks following the beginning of class work. Thereafter, the dropping of a course by a student shall entail for him a grade of FF for the course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a different grade. No change of registration is completed until written authorization to that effect has been sent from the recorder's office to the instructor concerned.

The fee for each change of registration is one dollar (\$1.00). This is waived in the case of new students, registering for the first time.

Students are admitted to those courses only for which they are formally registered.

Students are not received later than two weeks from the beginning of class work.

MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the standing of all students is provisional until after they have been in residence for one semester. At that time those new students are matriculated who have shown themselves in accordance with the spirit of the College and who have made at least a C average on all work attempted during their semester of residence.

Students failing to matriculate at the end of their first semester of residence may be matriculated at the end of any subsequent semester provided they have met all the above requirements including a C average on all work attempted during their whole period of residence.

Students are not candidates for a degree until they have been matriculated.

SUPERVISION OF SCHOLARSHIP

Amount:

The College regulates the amount of work a student may carry follows:

15 or 16 units of academic work, exclusive of Physical Education (Gymnastics, Sports, Activities*) Military Drill* and Choir,* is the general registration and the maximum for Freshmen.

To register for 17 units, exclusive of work stated in the preceding paragraph, a student must have earned 32 more grade points than the total number of units for which he registered the previous semester; to register for 18 units, 40 more grade points.

To register for less than 12 units of academic work requires special permission.

Quality:

A student is expected to secure each semester twice as many grade points as the total number of units of registration.

At the end of the first month of each semester, and also at or near the middle of each semester, a report is made of all students doing failing or unsatisfactory work for the period preceding the date of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and deans receive such reports and take such steps as are advisable in each individual case.

At the end of each semester a complete report is made on every student. This report becomes part of the student's record and indicates the semester's standing in the courses for which he has been registered.

Whenever the quality of a student's work declines to such an extent that his graduation in due course seems improbable, he and his parents are so informed, and he is advised to withdraw. Decision in every such case is reached by the joint action of the College Life and Classification Committees in consultation with the student's adviser. The college may at any time require the withdrawal of a student if the quality of his work seems to warrant such action.

* semester hour value of each of these is as follows: Phy. Ed., $\frac{1}{2}$ to $1\frac{1}{2}$; Drill, $\frac{1}{2}$; Choir, 1.

Faculty Dropping Students:

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or W for the course and an annotation reporting the fact of his having been dropped, shall be turned in to the Recorder's Office.

Class Attendance:

Students are expected to maintain regular attendance at all class appointments in the courses for which they are registered. Irregular attendance usually results in low scholastic standing and failure.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

Final Examinations:

Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty.

The schedule of final examinations is prepared by the Courses of Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee, upon the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Classification Committee.

A teacher may, at his discretion, appoint a time at which an announced test missed or not passed may be made up. Before such a test can be taken, a receipt from the Business Office for payment of a fee of one dollar (\$1.00) must be presented to the teacher by the student, unless this fee is remitted by the Classification Committee.

Field Trips:

Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is secured by the instructors from the Courses of Study Committee at the opening of each semester. Instructors certify to the Recorder's Office the names of students participating in these trips.

Eligibility:

Students are required to maintain a satisfactory standard of excellence in all their studies in order to represent the College on any of its athletic teams or other organizations coming before the public.

SUPERVISION OF CONDUCT

In the government of the College, the largest liberty consistent with good work and orderly conduct is allowed. Students are expected to show both within and without the College such respect for order, morality, personal honor, and the rights of others as good citizenship demands. Failure to do so will be sufficient cause for removal from the College.

Any student who for any reason, in the judgment of the faculty or of its proper committees, is felt not to be a desirable member of the student body, may be dismissed without specific charges.

The use or possession of alcoholic liquors of any kind whatsoever on the campus is prohibited by the College, and the off-campus use of such may subject the student to the application of the foregoing paragraphs.

The Committee on College Life exercises the authority of the college over all students individually with respect to personal conduct, and over student organizations which bear the name of the College, or which represent the College in any way.

Individual or collective student enterprises which involve the presence of the participants from the College, while using the college name, must receive the official sanction of the Committee on College Life.

AUTOMOBILES

While the College does not prohibit students from having automobiles in Claremont, it does exercise control over their use, and that end has established the following regulations:

Student drivers must at all times, both on and off the campus, exercise particular care and consideration for the safety of themselves and others.

Student drivers must acquaint themselves with the state and local traffic laws and comply with their observance.

Students driving cars in Claremont are required to carry public liability insurance in the amount of ten and twenty thou-

sand dollars in approved companies. Evidence that the owner of the car holds such an insurance policy extending beyond the end of the college year, together with the license number of the car, must be deposited with the office of the Dean of the College at the time of registration or within three days after the car is driven in Claremont.

Failure to comply with the above regulations shall constitute an offense against the College, the penalty for which may include sequestration and storage of the car at the student's risk and expense for a period not beyond the end of the semester in which the offense occurs.

MANUAL OF PROCEDURE IN HONORS STUDY

PURPOSE OF HONORS STUDY

A student who shows capacity for more than average intellectual achievement is permitted during junior and senior years to study for the bachelor's degree with honors. Such a student pursues a definite program looking toward the mastery of a major subject and the understanding of one or two minor subjects, particularly in their relations to the major. The elements of the honors program thus form a significant pattern of integrated study in two or three departments of a Division of the curriculum. Honors work affords the student to whom college is primarily an intellectual experience the opportunity for more independent study through a more flexible use of courses. Released from as much of academic routine as his instructors may provide, an honors candidate assumes responsibility for a profounder and broader knowledge of his chosen field than is expected of an ordinary student.

Honors study, begun at Pomona College in 1924, has been, since the academic year 1927-28, the only procedure for attaining the degree with honors. Beginning with September 1936 this manual replaces all previous regulations with respect to candidacy for the degree with honors.

REQUIREMENTS FOR CANDIDACY

A student may be admitted to candidacy for honors on the basis of a record which shows promise of competence to do honors work. It is expected of such a candidate (a) that he exercise initiative and self-administration in his work; (b) that he put scholarship consistently first among his interests; and (c) that he maintain a high standard of scholarship in the Division wherein his honors program lies, and a satisfactory record in his other work. He is encouraged to utilize vacations in part for reading and study. Candidacy for the degree with honors may be continued only so long as the candidate maintains a quality of work and an attitude such as will justify his Division in recommending him for the degree with honors at graduation.

ADMINISTRATION

General administration of honors work is vested in the Committee on Honors. Each Division of the Faculty approves the

programs of its candidates, supervises their work, and administers the senior honors examination within the Division. Upon recommendation by the Division, the Committee on Honors may certify to the Recorder candidates for the degree with honors.

REGISTRATION

I. FRESHMAN AND SOPHOMORE ASSOCIATES

A Freshman or Sophomore may associate himself with the honors group of the College by making a declaration of intention upon his registration card, with the approval of his adviser. Freshman and Sophomore Associates are invited to attend occasional group meetings of candidates for honors.

II. REGISTRATION FOR DIVISIONAL HONORS

Normally at the end of Sophomore year and not later than the beginning of Senior year a student may apply for candidacy for the degree with honors. The application form, obtainable from the Recorder, should set forth a program of honors study formulated with the approval of the adviser with whom the student plans to study. The program is subject to acceptance by the Division and Adviser appointed by the Division. The requirements for Divisional Honors are printed elsewhere in the catalogue. Normally the program should include work in one department of major interest and in one or two departments related to the major in the same Division. The student should direct his study toward a mastery of these elements of his program and an understanding of their relations to one another. Evidence of such knowledge is sought in an examination administered by the Division during senior year. Requirements in courses studied outside the Division of honors work are determined by the instructors concerned. Each candidate's program should be filed with the secretary of the Division. Each semester the candidate's registration must be approved (a) by his adviser and (b) by the secretary of the Division. Special programs for honors study involving more than one Division must be approved by the Committee on Honors and carried out under an adviser approved by that Committee. The number of curricular hours per semester for which a junior registers may be restricted to twelve; for a senior the number of curricular hours may be restricted to twelve or less.

METHODS OF INSTRUCTION

Methods of instruction vary with different Divisions and departments. Requirements with regard to courses, attendance, course examinations, theses, conferences and seminars are determined by the Division or by departments with consent of the Division.

WITHDRAWAL

A student registered for the degree with honors may withdraw from candidacy on favorable action by the Division concerned, or by the Committee on Honors in the case of a student with a special program. A division itself may withdraw a student from candidacy, and the Committee on Honors may withdraw a student with a special program. In senior year the status of a candidate may be changed only with approval of the Committee on Honors. If, for any reason, a candidate leaves the honors program, the Division concerned certifies to the Committee on Honors the credit to which the student is entitled for work done under its supervision.

EXAMINATIONS

A candidate for the degree with honors takes a written Divisional examination toward the end of senior year. Each Division assembles questions from participating departments to form various parts of the Divisional examination; it determines, in cooperation with the Committees on Honors, the dates for such examinations and conducts them. The candidate writes on those parts of the Divisional examinations which relate to his program of honors work. In the case of a special program including honors work in more than one Division, the candidate takes such Divisional examinations as are related to his program of honors work. It is proposed through these examinations to take measure of each candidate's abilities, and to determine the quality and range of his scholarship as revealed in his grasp of the elements of his honors study and their relations to one another. Copies of the examinations are filed with the Committee on Honors for reference and study in relation to honors work. An oral examination, in addition to the written Divisional examination, may be required of a senior candidate at the discretion of a Division or a department. Such an oral examination is conducted by at least three examiners chosen by the Division, one of whom is the candidate's adviser. In addition to these

examiners the Division, in cooperation with the Committee on Honors, may appoint an examiner from another institution. The Committee on Honors appoints one of its members to attend the examination. The purpose of the oral examination is to supplement the examinations previously taken. In it the candidate is responsible for the entire scope of his honors study.

A candidate taking courses outside of his honors program is subject to the ordinary requirements with regard to examinations in such courses. From examinations in courses included in the honors program he may be exempted at the discretion of the instructors concerned.

HONORS

At the end of senior year the Division concerned recommends to the Committee on Honors the credit to which the candidate is entitled for his honors works and the particular honor, high honor, or highest honor for which in their judgment he is qualified. A student who does not merit honors, but whose credits warrant graduation, will be recommended for graduation without honors.

GRADUATION

In the case of a candidate who qualifies for the degree with honors, the Committee on Honors certifies to the Recorder the credit and to the Faculty the particular honor to be awarded. Such honor is announced on the Commencement program and is recorded upon the graduate's diploma.

HONORS STUDY IN THE DIVISION OF HUMANITIES (DIVISION I).

Honors study in the Division of Humanities is designed to engage, first, a broad cultural acquaintance with the principal lines of historical development and a selected list of outstanding masterpieces in the fields of learning represented in the division and, second, a thorough knowledge of some field of concentration. A comprehensive examination at the end of the candidate's senior year surveys his success in attaining a divisional breadth of culture and his mastery of the field of his major interest.

Honors work is concerned primarily with a type and a standard of achievement. Accordingly, the Division prescribes no particular method by which the desired end shall be attained but expects an exercise of individual initiative on the part of the candidate in carrying out his program of study. Candidates are encouraged to allocate to honors study the three academic hours each semester allowed under the general rules for honors work in the college. This time may be devoted to a reading program, to a specified problem of investigation, or to original work in a chosen field of creative activity; all work must be undertaken with the approval of the Division and under the direction of an honors adviser. Ordinarily, two-thirds of the comprehensive examination will be devoted to the field of concentration, and for one-half of this section of the examination—a third of the entire honors examination—there may be substituted a research paper or a demonstration of original achievement in the field of language, literature, art, or music.

A student who wishes to engage in honors study should select, preferably at the close of his sophomore year and in no case later than the beginning of his senior year, a faculty adviser, and, with his approval, submit to the Division of Humanities a coherent plan of study for the remainder of his college course.

BIOLOGICAL SCIENCES

(DEPARTMENTS OF BIOLOGY, BOTANY AND ZOOLOGY)

I. OPPORTUNITIES

The location of Pomona College, close to mountain, de coastal plain and sea, makes it especially suited to studies of tematic and ecological nature. This assures also an adequate diversified supply of materials for class and laboratory and special problems of a morphological or physiological nature. College, furthermore, possesses a number of special biological lections, notably of plants and insects. The Marine Labora of the College at Laguna Beach is an adjunct valuable during summer session and of use on occasion throughout the year.

II. CONCENTRATION IN THE DIVISION

A student emphasizing biological science is ordinarily expected to have Biology 1, and Biology 52, followed by an integrated gram in either Botany or Zoology or both. A reading knowledge German and French and a training in the physical sciences are expected according to the needs of the individual.

III. COURSES PREPARATORY TO:

(1). Graduate work, looking towards investigation or hi education. Broad foundations in the biological and physical ences, with liberal selections of advanced courses in the field concentration, are essential for those who anticipate professi work in biological science.

(2). Teaching in secondary schools. Teachers of biolo subjects and general science need basic courses in as many bran of science as possible. The following are also important: Botany, Plant Physiology and Taxonomy, Physiology, Entomol Genetics and Bionomics.

(3). Museum work, conservation, nature guide work, biology. In addition to the basic courses are recommended: Plant Taxonomy, Functional Zoology, Entomology, Special Probl Geology.

(4). Horticulture, agronomy, landscape art, forestry. For first two: Plant Physiology, Bacteriology, Entomology, Gene considerable Chemistry, Elementary Physics, Structural Geol For landscape art: Plant Taxonomy, Freehand and Mechan Drawing, Surveying, Chemistry, Geology, and Economics. forestry: Plant Taxonomy, Entomology, Surveying, Plant Ph ology.

(5). Medicine, nursing, laboratory technique, public health, sanitation. Pre-medical requirements are discussed elsewhere. asmuch as medicine is highly biological, a liberal election of bryology, Histology, Neurology, Functional Zoology is recommended. Work in Entomology, Bacteriology and General Botan recommended in addition to the above for Public Health.

PHYSICAL SCIENCES

(DEPARTMENTS OF ASTRONOMY, CHEMISTRY, GEOLOGY,
MATHEMATICS AND PHYSICS)

The group of Physical Sciences renders through its freshman and sophomore courses two quite distinct types of educational service:

1. For persons who are not intimately concerned with science scientific pursuits it offers a general introduction through survey courses to modern scientific method, to the philosophic aspects of science, and to the place of the sciences in the general scheme of human affairs, along with the theoretical and descriptive presentation of the subject-matter. Conspicuous among such courses are: Mathematics 1, Physics 1, Chemistry 1, Astronomy 51 and Geology 51.
2. For those who incline toward more emphasis on the physical sciences during their collegiate years, whether for purposes of training, or with a view to engaging in commercial enterprises requiring knowledge of physical science, or because of an interest in scientific study for its own sake, the group offers excellent opportunities for concentration.

PREREQUISITES for undertaking concentration in Physical Science:

1. Physics and Chemistry: Fundamental in importance is such understanding of the constitution and value of matter and energy as is ordinarily gained through basic courses in Physics and Chemistry.
2. Mathematics: A practical knowledge of the tools of scientific reasoning acquired in Mathematics is essential. This will mean mathematics courses at least through calculus. It is urged that those doing such work in college complete trigonometry in high school.
3. Foreign Languages: It is highly desirable that the student desiring to concentrate in the Physical Sciences shall acquire a working knowledge of both French and German.

CONCENTRATION: Each one of the departments in the group has its own sequence of courses for the student concentrating in its own part of the general field; but it also requires supplementary work in the related departments. In addition, there are opportunities for concentration in fields that cross departmental lines. The combinations and implications are too markedly individual, however, to permit of a satisfactory general statement; they must be worked out between the student and his adviser.

SOCIAL SCIENCES

(DEPARTMENTS OF ECONOMICS, EDUCATION, HISTORY,
(GOVERNMENT, RELIGION AND SOCIOLOGY)

CONCENTRATION IN THE FIELD:¹ Although emphasis in the program of a student concentrating in the field is placed on an integrated sequence of studies in one of the social sciences, it is expected that the student will obtain a broad understanding of the content and meaning of the social sciences as a whole. With this in view, the student will include early in his course at least three of the four basic courses² in the group. He will maintain a "B" average in the social studies, will complete 24 units in courses numbered over 100 in the field, of which at least 12 must be in courses numbered over 150, and will include courses 191 and 192 in the social science of his intensive study.

FOREIGN LANGUAGE: It is recommended that every student concentrating in the Social Sciences acquire a reading knowledge of French and German. Normally by the beginning of the Junior year but not later than the middle of his Senior year, the student is required to file with his Adviser a written certificate of his ability to read French or German, issued by a member of the faculty in the field who has been designated to examine in those languages.

COMPREHENSIVE EXAMINATION: The work of a candidate concentrating in social sciences culminates in a written comprehensive examination, administered by the Social Science faculty. This examination consists of two parts: (1) a general examination to review the candidate's grasp of the broader aspects of the several social sciences and their interrelations, and (2) one or more special examinations to test his mastery of the particular social sciences in which the candidate has studied intensively. Inasmuch as the purpose of the comprehensive examination is to appraise the candidate's integration of the entire range of social studies included in his undergraduate program, the passing of both parts of this examination will exempt the student from final examinations in social science courses at the end of his Senior year.

The following courses offered by the Department of Education are considered to be part of the work of the Social Sciences:
Introduction to Education; History of Education.

SUPPLEMENTARY COURSES: In addition, the courses listed below and other approved courses, may form a part of a student's program of concentration in the Social Sciences:

Types of Political Theory; History of Philosophy; Social Psychology.

The attention of social science students is called to certain courses available to them, offered by affiliated colleges in Claremont.

¹No departmental concentration, or major, is offered in any social science.

²Economics 51, Government 2, History 1, Religion 5 and 6 or 103, Sociology 51.

FINE ARTS

(DEPARTMENTS OF ART AND MUSIC)

Courses in the history, appreciation, and theory of art and music are offered by the College as contributions to personal culture, and receive credit toward the Bachelor of Arts degree on the same basis as other academic courses. In the fields of applied music and art technical proficiency is aimed at, with the idea, first, of developing an appreciative taste, and second, of stimulating creative expression as worthy of expression.

APPLIED ART: Students wishing to concentrate in Art as their major subject for the B.A. degree may elect courses in Drawing and Painting, Sculpture and pre-Architecture. A theoretical knowledge of all these fields is desirable and practical work should be taken in two of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization.

The student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year the student concentrating in Art will give a separate exhibition of his work of that year.

MUSIC: Either theoretical or applied music may be elected as a subject of concentration for the Bachelor of Arts degree.

Although the Special Credential in Music from the State Board of Education is no longer granted through Pomona College, thorough preparation for teaching music in the public schools may be obtained in the college. The courses in Public School Methods are given in Claremont Colleges (the graduate school.) Students concentrating in music toward the Bachelor of Arts degree, or looking forward toward teaching music in the public schools should take the beginning harmony and sight singing courses in the first year in order to be able to complete all required courses.

Each candidate concentrating in music, whether the applied or theoretical branches, must present a satisfactory public recital in his major subject.

APPLIED MUSIC: Students in applied music will be enrolled for credit toward the Bachelor of Arts degree upon the written recommendation of the Head of the Department of Music. This recommendation is based upon the degree of ability and advancement shown in proficiency tests given before examining committees of the music faculty. To receive credit applied music must be accompanied or preceded by first year harmony, Music 1. This course enables a student to register for credit in applied music for one or two lessons per week for the first year and one lesson per week for the remaining three years. If credit is desired for *two* lessons per week for a second year or more, the work must be accompanied or preceded by second year harmony, Music 55. Proficiency tests are required only of students in applied music who desire credit toward the Bachelor of Arts degree.

ENGLISH

(DEPARTMENTS OF ENGLISH AND PUBLIC ADDRESS)

- I. The English group functions in three different ways:
 1. To persons desirous of proficiency in our mother tongue whether for the sake of apprehending the ideas of others or for the sake of expressing their own, it affords training in reading, writing and speaking.
 2. To persons seeking the mental and spiritual culture attendant on the processes of literary appreciation it offers a generous variety of courses.
 3. To persons who wish to make English in any of its phases the dominant feature of their collegiate program it provides opportunity for concentration during the junior and senior years.
- II. To the end that proper organization and direction may be achieved and a desirable breadth at the same time maintained in the programs of students concentrating in English the following objectives are recommended for their guidance:
 1. Effective command of the English language, in reading, in writing and in speech.
 2. Extended and intensive experience in literary appreciation; interpretation and criticism; original creation.
 3. Intelligent acquaintance with the great books of the world. Reading Lists I and II offer guidance supplementary to that afforded by organized courses.
 4. A general knowledge of English and American social culture in its historical development.
 5. Some understanding of the more significant movements in the field of philosophy, especially as they bear on literature and art.
 6. A mastery, the more complete the better, of at least one language other than English. Besides the added understanding of general linguistic problems achieved through such mastery the intimate contact with a foreign culture entailed in a study of its language has a value attainable in no other way.

Students who have in mind to go on to advanced graduate work in English should recognize from the beginning that the best university standards will demand a thorough grounding in Latin—not less than the full high school course—and a reading knowledge of both French and German.

NOTE: Personal interests of the student — as Music, Art, phases of Social Science, or of Physical and Biological Science—may very properly be accorded such recognition in his program as to entail a sacrifice—at least in part—of one or more of the "objectives" listed.
- III. The minimum formal requirement for concentration in English is 24 hours of satisfactory work in courses numbered 100, two of which are numbered over 150.

FOREIGN LANGUAGES AND LITERATURES

FRENCH, GERMAN, GREEK, ITALIAN, LATIN AND SPANISH)

CONCENTRATION IN THE FIELD

A student interested in the synthetic study of the complete field of foreign letters may, under an adviser appointed by the group, do work in the various departments of the group, thereby concentrating in the field. Such a student should hold non-credit conferences from time to time with the faculty of the group, moving toward a comprehensive examination in the general field of foreign languages and literatures.

CONCENTRATION IN DEPARTMENTS

A student planning to concentrate in a foreign language should begin his study of that language before entering college. Preparatory work in some other language is also a distinct advantage. Although the student is normally expected to concentrate in one of the departments of Foreign Languages, he should acquire as broad an acquaintance as possible in all the other fields of literature represented in the group.

Eighteen to twenty-four hours of work in courses numbered 100 are required in the department concerned, in which at least an average must be maintained. For a student desirous of doing specialized work than is possible under the regularly scheduled offerings, the Honors plan presents additional opportunity. At the end of the Senior year a comprehensive examination will be required.

LATIN AND GREEK

Concentration in the Classical Languages is designed to give a student a technical knowledge of the language and literature of his special interest and an appreciation of the life and institutions intimately connected with that literature.

The student of Latin is expected also to have an acquaintance with the Greek language and literature. It is not essential however, to take the lower division courses of Latin.

ROMANCE LANGUAGES AND LITERATURES

A student concentrating within the field of the Romance Languages and Literatures should be fortified with a pre-knowledge of Latin, and will find it to his advantage to have begun the study of French or Spanish, or both, before entering college.

Concentration in a Romance Language and Literature is designed to provide: first, a broad general knowledge of both the language and literature of the student's special interest; and second, considerable knowledge, represented by not less than two years of work in at least one other language of the Romance field.

A student who is well equipped in foreign language on entering college, is urged to take work in all three of the Romance Languages.

GERMAN

Concentration in German is designed to give the student a knowledge of the language and of the German civilization as represented by the best works of literature.

THE LIBERAL ARTS VIEWPOINT

Pomona holds that scholarship should not only be high but broad and inclusive. It is not a professional school. It insists the best preparation for life includes not only the ample, general and complete training of the college course, such as is here, but also at a later period a thorough and definite professional specialization. The College has been singularly successful in preparing its body of students with these ambitions. A large percentage of its graduates have taken subsequent professional training, winning scholastic awards in other institutions.

GENERAL PREPARATION FOR PROFESSIONAL SCHOOLS

The courses offered in Pomona College cover a broad range of the humanities and the sciences. In general, schools of business administration, journalism and law do not require a particular term of undergraduate work. On the other hand they are particularly interested in students who have had a broad liberal arts training and have learned how to study effectively, as evidenced by the quality of their undergraduate work.

Various combinations of fundamental courses are presented below as adequately preparing for later professional studies in engineering, medicine or education, where more specific prerequisites exist.

A SUGGESTED PRE-ENGINEERING COURSE

In the belief that the training of a liberal arts college, so essential to men in other professions, is essential to the engineer, Pomona has developed a series of courses to enable its graduates to enter the upper division work of engineering schools and to graduate therefrom in two years. Men during the first two years will take the same course regardless of the field of engineering contemplated.

FRESHMAN YEAR

Units

Chemistry 55	
or 53 and 54	8 or 10
Mathematics 1	6
Mathematics 7	4
Foreign Language	6
Elective	8 or 6

JUNIOR AND
SENIOR YEARS

Mathematics 151	
Astronomy or Geology	
Economics	
Physics 111 and 151	
Mathematics 152	
Physics 195	
Physics 113	

SOPHOMORE YEAR

Economics 51	6
Mathematics 65	6
Mathematics 59	4
Physics 51 and 52	8
Elective	6

Pre-engineering students are advised to take in their Junior and Senior years as many of the above courses as possible of the above courses in addition the six weeks' surveying course in surveying at Lake should be taken.

A SUGGESTED PRE-MEDICAL COURSE

certain subjects have been designated by the Council on Medication of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the medical schools, however, have requirements well beyond minimum, and from many more applicants than can be accepted, selecting only those who are best prepared and have demonstrated the highest scholastic ability and laudable personal traits. Medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build, in leisurely fashion, a broad educational foundation. Breadth of culture, and a thorough grounding in the biological and chemical sciences are the objectives of the premedical

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of the medical colleges in the United States. It can readily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical school which the student plans to attend.

FRESHMAN YEAR		JUNIOR YEAR	
	Units		Units
English 1	8	Biology 52a	4
Mathematics 1	6	Zoology 117	4
Chemistry 1	6	Chemistry 57	3
Physics 1	6	Chemistry 103	6
Chemistry, Div. I or III	4	Chemistry 105	2
		Psychology 51	6
		Electives, Div. I or III	6
SOPHOMORE YEAR		SENIOR YEAR	
Chemistry 53 and 55	10		
Physics 51 and 52	8		
Chemistry 53	6	Zoology 115	4
Chemistry, Div. I and/or III	6	Remainder all electives.	

Chemistry courses may be spread to three years if preferred. See, Chemistry Courses of Instruction.

Reading knowledge of both German and French is highly desirable. High School work in these languages and in Latin is recommended for those planning the medical course, and the program outlined above may be modified in accordance with pre-college preparation in these subjects.

Recently published information about subjects which medical schools do not include in the stated requirements, but which are recommended to pre-medical students, there is much diversity of opinion, but practical unanimity on the desirability of these six

more than one year of English and public address; mathematics at least through trigonometry; both French and German; physics, sociology and philosophy; both comparative anatomy and embryology; physical chemistry.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to supply the general background that an intelligent citizen should have regarding one of the most important of our social institutions and at the same time prepare the prospective teacher for the more technical training in the graduate school.

CERTIFICATES: In California every public school teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon the presentation to the county board of education of a credential issued by the state board of education through its commission on credentials.

It is the policy of Pomona College to encourage students preparing for teaching to supplement their undergraduate course with additional work at Claremont Colleges or at some other graduate school. The recommendation for the credential then goes directly from the graduate school, using as a foundation the undergraduate curriculum pursued at Pomona College.

While the requirements vary for different certificates, the minimum for a general secondary credential must present a major consisting of a minimum of 24 units of work, 12 of which are in courses numbered over 100 in one subject matter field taught in high school and a minor consisting of a minimum of 12 units, 6 of which are in courses numbered over 100 in another subject matter field taught in high school.

Inasmuch as some increase in these requirements is being considered by the state board of education students who expect to enter the teaching profession in California should consult a member of the Education department by the beginning of their junior year.

A SUGGESTED PROGRAM for the prospective teacher:

FRESHMAN YEAR: Academic courses preparatory to the credential in view.

SOPHOMORE YEAR: Education 53; Psychology 51; further work in the subject-matter to be taught.

JUNIOR YEAR: Education 104; Psychology 107; further work in the subject-matter to be taught, or in related fields.

SENIOR YEAR: Education 190. A rounding out of the subject-matter to be taught.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS OF PHYSICAL EDUCATION

FRESHMAN YEAR		SOPHOMORE YEAR	
	Units		Units
English 1	8	Zoology 53	6
Chemistry 53	8	Sociology 51	6
Geology 1	6	Psychology 51	3
Physical Education 5	2	Music 53	6
Electives	8 or 9	Electives	9 or 10
JUNIOR YEAR		SENIOR YEAR	
Public Address 52	4	Physical Education 131	3
Psychology 107	3	Education 190	3
Geology 116	3	Physical Education 154	3
Physical Education 126....	2	Physical Education 152	3
Physical Education 127, 28	4	Chemistry 114	4
Physical Education 119 (for women)	2	Psychology 104	3
Education 53	3	Electives	12
Electives	8 or 9		
6 units of required Physical Education Activities.			

It is suggested that the required Physical Education activities be so selected as to give the individual opportunity for both technical skills and leadership training in a wide range of activities.

A non-credit Camp Counselor's Training Course is held at Halona, the U.S. cabin at Idyllwild, for a two-week period immediately following Commencement. This course aims to provide its members with experience useful in camping and other types of leadership, such as teaching and community organization.

This program followed by a year of graduate work in Claremont College will qualify the student for the general credential with a major in physical education.

A reading knowledge of French and German is highly desirable for any students who plan to go on to graduate research in Physical Education.

DEGREE

Pomona College awards but one academic degree, the Bachelor of Arts, which may be attained either in ordinary or in honors. The special procedure in honors study is given on page 69. The following requirements apply to all students.

UNIT REQUIREMENTS

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation or lecture period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of fifteen units of academic work throughout.

GRADE POINT REQUIREMENTS

In order to graduate a student must not only earn a certain number of units, but also attain an average of at least C grade on all units for which he has registered, or twice as many grade points as units. See grade and grade point schedule, following:

1. Grades and grade points are as follows:

Grade points per unit

A	4	(excellent)
B	3	(very good)
C	2	(average)
D	1	(passing)
F	0	(failure) may be made up to a grade outside of class
FF	0	(failure) may not be made up except by repeating course
I (Incomplete)		
W (Withdrawn with permission while work was of passing grade or better)		

2. The F grade and the FF grade both indicate a failure. In the case of the F grade the failure incurred may be made up outside of class upon conditions laid down by the teacher, provided the conditions are met on or before the first day after the Spring vacation, if the failure is incurred in the first semester,* or on or before the first day of recitation of the next College year, if the failure was in the second semester. An F grade made up thus may not be raised above a D grade. An F grade not so made up remains permanently upon the records as a failure. A FF grade can be made up only by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated when next offered. A student may not continue with work in which he has received a FF. The making up of work which has received the F or FF grade does not expunge the grade from the record. It does permit credit and "grade points" for the course.

All F and FF grades reported by teachers are accompanied by a specific statement in writing of the cause for the failure.

iled statement in case of the F grade of the work necessary for removal. A copy of this statement is mailed to students.

3. The I mark is given where illness on the part of a student justifies the granting to him of additional time for the completion of his work. It may be changed upon the same conditions as those set down for the making up of the F grade, with this exception, other than a D grade may be thus earned.* Teachers wishing to give an I grade for other justifiable cause than illness must first have permission to do so from the Classification Committee.

4. The mark W is used where a student has withdrawn from a course in accordance with provision on p. 50.

DIVISIONS

The departments of the college are organized in three divisions as follows:

I	II	III
Art	Astronomy	Economics
English	Biology	Education
French	Botany	Government
German	Chemistry	History
Greek	Geology	Physical Education
Italian	Mathematics	Religion
Latin	Physics	Sociology
Music	Military Science	
Philosophy	Psychology	
Public Address	Zoology	
Spanish		

REQUIREMENTS FOR GRADUATION**

126 units total, including six units of Physical Education Activities, four of which must be taken in the first two years and two in the last two years of the course.

I grades incurred during the first semester of year courses, may be removed on the recommendation of the teacher concerned, by the successful completion of the work of the final semester.

For graduation, all students are required by the laws of the State of California to pass a course or an examination on the Constitution of the United States. This requirement may be met by Government 2a, 153, 154, History 55. Students who have not completed the Constitution requirement for graduation by the opening day of senior year will be required to register for a course meeting the requirements during the first semester of senior year, save special exceptions may be made by action of the Classification Committee.

For Distribution:

2. By the end of the Junior year, in each division:
A year's work of not less than four units in each of departments.

Normally a student should plan to meet this requirement by the end of the Sophomore year.

3. Not more than 52 units total for credit in any one department.

For Concentration:

4. 36 units of work in courses numbered above 100, of which at least 12 are to be in one department.

These General Requirements are designed to protect the student against gross errors in shaping his collegiate program. They intentionally leave him a great deal of freedom to plan his course of study according to his interest. In the exercise of this freedom will be the part of wisdom for him to take advantage of the wise organization of the curricular program into sequences of courses in departments and divisions, looking upon these things as aids which he, as student, may avail himself in the process of securing an education. Courses, etc., are, however, merely aids toward substitutes for, reading, reflection and independent study.

CHOICE OF SUBJECTS

In the planning of his work the student in Pomona College is given a large range. The only limitations are designed to insure to him, on the one hand, the breadth of view which may be gained by some study of each of the great realms of knowledge; and on the other, that concentration along a chosen line of work which shall develop power of thought and an actual fund of knowledge in some particular field.

In selecting his courses of study and also in determining his outside reading the student should have as his fundamental purpose while in college to become familiar with the principal phases of the intellectual culture of mankind. This involves the following essential features:

1. Acquaintance with great literature.
2. Comprehension of the principal concepts of natural science, both physical and biological.
3. Familiarity with present-day established conceptions of social order and an intellectual grasp of contemporary problems.
4. Some philosophical appreciation of the general nature of the universe and an evaluation of human ideals, both moral and religious.

THE FACULTY REGULATION ON ENGLISH

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Before any student is accepted to Junior standing he must satisfy a committee of the College of his ability habitually to use English of good quality. On the recommendation of this Committee, a student whose English is presently unacceptable may be required to withdraw from the College at the end of any semester by the joint action of the College and Classification Committees. Habitual and flagrant misspellings are considered a deficiency in English to which this regulation applies.

Responsibility for raising the level of a student's use of English lies solely with himself, inasmuch as it is not the policy of the College generally to undertake the teaching of basic secondary school subjects. Students who have weakness in expressing themselves in their mother tongue should bear in mind the value of certain important courses offered by the Department of English.

CONCENTRATION IN SPECIAL FIELDS

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

1. Preparation: There must be sufficient basic work (courses numbered 1 to 99) in the special field and in allied fields to ensure adequate preparation for carrying successfully the advanced work.
2. Concentration Requirement: Not less than eighteen hours of work in courses numbered over 100 in the field of concentration; of these eighteen hours must be in courses numbered over 150, six of them must be taken during the Senior year.
3. Foreign Language: For advanced work in most fields a working knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is desirable. It is to the advantage of the student to acquire this working knowledge before entering college.
4. Comprehensive Examination: In most fields the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration lies.
5. Adviser: That member of the faculty in whose field a student is working intensively becomes the student's official adviser during his Junior and Senior years. It will be well for the student to consult his prospective adviser even earlier in his course.

The application of these ideas involves to such a degree a recognition of differences between fields of learning and between the individualities of students that no summary statement of them could be thought of as complete. The attention of those interested in special fields is therefore directed to the more extended presentations of work in various fields together with certain pre-professional courses which are found on pages 57-67.

COURSES OF INSTRUCTION

DESIGNATION OF COURSES

COURSE NUMBERS: Elementary courses numbered below 50 given in freshman or sophomore year. Courses numbered 50 are either those which follow the course of the previous year or the more advanced beginning courses. Courses numbered over 50 are for Juniors and Seniors and may not be entered by students without previous work in the same field.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-unit courses are offered, two semester courses should be completed to secure the counting of units toward grade-points toward graduation.

HYPHEN COURSE: When course numbers are connected by a hyphen they cover a common subject and the entire sequence should be taken. **COMMA COURSE:** When course numbers are connected by a comma, although the course extends throughout the year, independent credit is given for the work of the first semester. Entrance to the second semester of a year course is by permission of the instructor.

All courses are three units each unless otherwise designated.

THREE YEAR PROGRAM OF UPPER DIVISION AND GRADUATE WORK

To enable Junior College graduates and others who enter with advanced standing to continue their education on the basis of a three-year program leading to the Master's degree as well as to the Bachelor's degree, Pomona College and Claremont Colleges have planned their offerings so that the closest articulation of undergraduate and graduate study is possible. Graduate work in the literatures, in the social sciences, in the biological and physical sciences, in philosophy, psychology, religion, and in the fine arts, music, along with professional work in public school education and in psychology is conducted by Claremont Colleges using the combined staffs of Scripps College and Pomona College as well as their own appointees. This work is usually characterized by an informal mode of instruction possible only in an institution of this type where the standards are high and the number of students is limited. A catalog of graduate seminars will be furnished upon request to the Director of Studies, Claremont Colleges, Claremont, California.

COURSES IN SCRIPPS COLLEGE

In addition to the following courses there will be announced at registration time certain courses in Scripps College open to Pomona students under approved conditions. Each regular student in Pomona College shall, however, select not less than half of his registration each academic year from courses in Pomona College.

Anthropology

See Sociology.

Art

For each unit of credit in Art, except in 111, there is required minimum of one hour of assigned reading and two hours of studio work per week. Students are urged to prolong these periods when work permits, as they will then make more rapid progress.

The total number of hours of Applied Art accepted toward graduation is 16, so distributed as not to exceed 3 hours in courses numbered under 50, 3 between 50 and 100, 5 between 100 and 150, 5 over 150. In courses where lecture and laboratory work are combined, the work is counted half theory and half applied.

Special fees for work in applied art are as follows: courses numbered 9, 65, 107, 162, \$12.50 per unit. All other courses \$5 per unit.

3b. Design and Drawing.

MR. TAGGART, MR. BEGGS

The study of order in the graphic arts. The appreciation of form and its expression in pencil, charcoal and color. 2 units. *VF, 1:15 to 3:05.*

9b. Modeling.

MR. JURECKA

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. Two sections. *TTh, 1:15 to 3:05. WF, 3:15 to 5:05.*

53b. Composition.

MR. BEGGS

Pictorial Design in various media requiring a sketch each week on an assigned subject of an illustrative or decorative nature. To be taken in conjunction with another applied art course; may be repeated for credit. 1 unit. *W, 11. (Omitted first semester).*

61b. Advanced Drawing and Design

MR. TAGGART,

MR. BEGGS

The rendering of form, particularly the head, in charcoal, lithograph crayon and water color. This may be related in the second semester to industrial, commercial or fine art problems according to individual preference. 2 units. *TTh, 1:15 to 3:05.*

65b. Advanced Modeling.

MR. JURECKA

Problems in applied ornament. Portrait study from cast and living model. Studio methods; casting and armatures. 2 units. *Th, 3:15 to 5:05.*

103b. Life Drawing.

MR. TAGGART, MR. BEGGS

Anatomical function and the construction of the human form. Prerequisite B11a-b or equivalent. 2 units. *TTh, 3:15 to 5:05.*

107b. Life Modeling.

MR. JURECKA

Modeling from life. Figure, portrait in the relief and in the round. Laboratory and related work. 2 units. *WF, 1:15 to 3:05.*

111a-111b. History of Art.

MR. BAUMANN, MR. B.

Study of the historical development of art with especial attention to national genius and expression. The Classic, Early Christian, Byzantine and Medieval Periods will be studied in the second semester, and Renaissance, Baroque, Neo-Classic, Romantic, Realistic and Contemporary Art in the first. *MWF*, 9.

120a-120b. Painting.

MR. TAGGART, MR. B.

Practice in Still-life and Landscape is adapted to a study of techniques of various historic schools of oil painting. These explained by means of a system of set palettes which afford understanding of painting principles and an opportunity for development of individuality of manner. 2 units. *WF*, 3:15-5:05.

155a-155b. Advanced Painting.

MR. TAGGART, MR. B.

Attention is given to the completion of easel pictures including the portrait and the decorative composition. A large finished canvas is required in the second semester. 2 units. Arranged.

162a-162b. Advanced Life Modeling.

MR. JUREK

Advanced composition in both relief and the round. Development of original conceptions. Study of color effects in sculpture. Laboratory and related work. 2 units. *M* 1:15 to 5:05.

GRADUATE WORK in the history of art and architecture and in applied art is available under the auspices of Claremont College.

Astronomy

51a-51b. An Introduction to Astronomy.

MR. WHITE

Presents the general facts of historical and modern astronomy in non-technical form suited to students with a minimum of science preparation. An acquaintance with the starry heavens is sought and an appreciation of man's relation to the surrounding universe. Regular evenings with the telescopes at the Brackett Observatory are supplemented by group projects and field excursions. Classroom two hours per week; observatory, etc., one period per week.

For students with satisfactory preparation in physical science and mathematics, additional work in class and laboratory is offered, giving 1 additional unit of credit; the extra time to be arranged. Laboratory fee \$3.00 per semester. 3 or 4 units. *M* 11 and Arranged.

Note: Students in courses numbered over 100 participate in certain regular observing programs, full expression being given to individual aptitudes and preferences. These observations deal principally with the varying activities of the sun, certain phases being periodically reported to the Observatory of Paris on an international schedule, in which the Brackett Observatory is a cooperating member. The general prerequisites for upper division courses in the department are Astronomy 51 or its equivalent or a satisfactory preparation in physical science.

1a, 101b. The Sun and the Weather.

MR. WHITNEY

A laboratory course consisting of regular observations of sun spots, prominences, solar eruptions and the heat received from the sun; the correlation of solar activity with terrestrial phenomena and world weather; the operation and maintenance of the weather bureau instruments at the observatory; visual and photographic studies and classification of cloud formations and the general principles of weather forecasting. Laboratory fee \$3 per semester. 2 units. Arranged.

1a-103b. Practical Astronomy and Navigation.

MR. WHITNEY

Deals with practical problems in astronomy and the compilation and reduction of the data obtained. Observations with the telescope, transits, and sextant are also applied to the determination of time, latitude, and longitude in a study of the theory and practice of marine and aerial navigation. Classroom and laboratory 3 units. Laboratory fee \$3.00 per semester. Arranged.

. Celestial Mechanics.

MR. WHITNEY

A short course in the application of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems on the prediction of eclipses and occultations and on the computation of the orbits of comets, etc. 3 units. First semester. Arranged.

Astrophysics.

MR. WHITNEY

Considers the applications of the principles of modern physics and chemistry to a study of stellar and cosmic problems and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations are both visual and photographic. Classroom one hour; observatory two periods. Laboratory fee, \$3.00 per semester. Second semester. 3 units. Arranged.

Investigations in Astronomy.

MR. WHITNEY

A unified program of investigation in some particular field such as variable stars, double stars, solar radiation, meteor observations, etc., is arranged. Each semester 1 to 4 units. May be repeated for credit. Laboratory fee, \$2.00 per unit per semester. Open only to Seniors. Arranged.

ADVANCED WORK in Astrophysics and Celestial Mechanics is available under the auspices of Claremont Colleges.

Biology**1a-1b. General Biology.**MR. HILTON, MR. M
and ASSISTANT

A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the present method it will be fitted to the preparations, needs, and interests of individuals or groups. Laboratory fee, \$6.00 each semester. Class *M* and *W*, or *F*, 11; laboratory, field trip, or demonstration *M,T,W,Th* or *F*, 1:15-4:10.

52a, 52b. Advanced Biology.

MR. HILTON and MR. M

General Zoology first semester. General Botany second semester. A general survey of the animal and plant kingdoms, dealing with classification, structure and life-processes of groups. Prerequisite: Biology 1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the division. Laboratory fee \$8.00 each semester. 4 units. Class, *TTh*, 8; laboratory, *TTh*, 1:15-4:10.

105. Bacteriology.

MR. PEQUEG

General study of important bacteria, methods of culture, study, and importance in disease and agriculture. Prerequisite: one year of biological work. Laboratory fee, \$8.00. Breakage deposit \$5.00. First semester. Class, *S*, 8; laboratory, *MW*, 4:10. (Omitted in 1940-1941).

107. Genetics.

MR. M

A non-laboratory course covering modern developments in the study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems, and discussions. Prerequisite: one year of biological work. First semester, *MWF*, 8.

108. Bionomics.

MR. HIL

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to students who have had a year of biological work. May be taken in place of Zoology 161 for three hours. Second semester. 2 units. *MW*,

The scientific collections and library available at Claremont as well as the geographic location, make desirable certain types of work for the master's degree, particularly in Entomology, Neurophysiology, certain phases of marine and desert Ecology, Anatomy, Paleontology, Morphology, Algae, and Plant Taxonomy.

Botany**Field Botany.**

MR. MUNZ

An elementary non-technical course in local flora, with much field work. No prerequisite. Laboratory fee, \$3.00. Second semester. 2 units. Class, *S*, 8; laboratory, *F*, 1:15-4:10.

3. Plant Physiology.

MR. MUNZ

A study of physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching of biology, and for botany majors. Prerequisite: Biology 52b. Laboratory fee, \$8.00. Breakage deposit, \$5.00. First semester. Class arranged; laboratory, *W*, 1:15-4:10.

a, 155b. Taxonomy.

MR. MUNZ

Study of our local flora and more common cultivated ornamentals. Principles and methods of classification and taxonomic work. Much field work with trips to desert, mountain, and shore for study of plants in their native conditions. Prerequisite: Biology 52b. Laboratory fee, \$7.00 each semester. Alternates with 157. First semester. Class, *WF*, 9; laboratory, *A*, 1:15-4:10. Second semester. Class, *F*, 9; laboratory, *MW*, 1:15-4:10. (*Omitted in 1940-1941*).

t, 157b. Anatomy and Comparative Morphology of Green Plants.

MR. MUNZ

The anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories, evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Biology 52b. Laboratory fee, \$7.00 each semester. Alternates with 155. Class arranged; laboratory, *M*, 1:15-4:10.

Botanical Problems.

MR. MUNZ

Special work, largely individual, and primarily for majors in the department. Each semester. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. Laboratory fee, \$2.00 per unit of credit. Arranged.

Zoology

53a, 53b. Physiology.

MR. PEQUEGN

The functions of animals, with special reference to the human body. Prerequisite: Biology 1. Laboratory fee, \$6.00 each semester. Breakage deposit \$15.00 per semester. Class periods, *MF*; laboratory, *F*, 1:15-4:10.

56. Field Zoology.

MR. PEQUEGN

An elementary non-technical course in natural history of land vertebrates. Largely field work, dealing with recognition of common forms, life histories, food habits and ecological factors in distribution. No prerequisite. Laboratory fee, \$3.00. Second semester. 2 units. Class *T*, 9. Laboratory, *Th*, 1:15-4:10.

115. Comparative Anatomy.

MR. PEQUEGN

A study of the structure of vertebrates. Prerequisite: Biology 52a. Laboratory fee, \$8.00. First semester. Four units. Class, *T*, 8; laboratory, *TTh*, 1:15-4:10.

116. Human Anatomy.

MR. PEQUEGN

A course designed to meet the requirements of majors in physical education. Prerequisite: Biology 1 and Zoology 53. Laboratory fee, \$6.00. Second semester. Class, *W*, 8; laboratory, *MW*, 1:15-4:10.

117. Embryology.

MR. HILTI

A study of early development and the formation of organs, with especial reference to vertebrates. Prerequisite: Biology 52. Laboratory fee, \$8.00. Second semester. Four units. Class, *T*, 8; laboratory, *T*, 1:15-4:10 and three hours to be arranged.

118. Entomology.

MR. HILTI

A general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Biology 52. Laboratory fee, \$6.00. Second semester. Class, *T*, 10. Laboratory arranged.

119. Systematic Vertebrate Zoology.

MR. PEQUEGN

Consideration of problems involved in systematic vertebrate zoology such as life histories, distribution, migration, general habits, groups of local as well as more general types. Includes class work as well as laboratory and field work. One class, two laboratory periods. Prerequisites: Field Zoology or General Zoology. Laboratory fee, \$6.00. First semester. Arranged.

153. Histology.

MR. HILTI

The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology 53 or Biology 52. Laboratory fee, \$8.00. First semester. Class, *T*, 9. Laboratory by appointment. One class, two laboratory periods.

4. Neurology.

MR. HILTON

A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. Prerequisite: Zoology 153. Laboratory fee, \$6.00. Second semester. Class T, 9. Laboratory by appointment. One class, two laboratory periods. (*Omitted in 1940-1941*).

1. Zoological Literature.

MR. HILTON

Reviews of important contributions in all fields of recent Zoological literature. Open to Juniors and Seniors. Second semester. May be repeated for credit. 1 unit. F. 8.

3. Zoological Problems. MR. HILTON AND MR. PEQUEGNAT

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy or Embryology and have had Sophomore work in Zoology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Either semester, 1 to 3 units. May be repeated for credit. Laboratory fee, \$2.00 per unit when Laboratory work is involved. Arranged. Conference hour sometime during the following hours. MW, 9-11; TTh, 9-10.

The Department of Zoology conducts summer work at the Luna Beach Marine Laboratory, Professor W. A. Hilton, director.

Chemistry

NON-TECHNICAL COURSES

1b. A Survey of Chemical Science.

MR. TYSON

For students who do not have in mind a scientific career, but wish to gain some knowledge of the physical sciences as part of general education. By confining the scope of study to one field, effort is made to give the student satisfactory depth of understanding of scientific method and the philosophy of science. During the second semester emphasis is laid on the place of chemistry in human affairs. No laboratory work is required. Fee, \$2.00 each semester to defray expenses of lecture demonstrations. 1FW, 10.

114b. Nutrition and Foods.

MR. ROBINSON

A survey of present-day knowledge of the nutritional factors necessary for optimum health, the various classes of food-stuffs and their nutritional value, the food budget, purchasing, and planning the dietary to meet the requirements of different individuals and groups. No prerequisite. 2 units. TTh, 8.

FOUNDATION TRAINING FOR SCIENCE STUDENTS

Note: A comprehensive foundation in chemistry is required for majors in chemistry and in the biological-chemical field, for pre-medical students and for some other fields of scientific work. Such a foundation includes courses in inorganic, analytical and organic chemistry, with elementary physical-chemical principles applied in all of these branches. The student may complete the foundation work in two years or in three years, as he prefers.

	First Year	Second Year	Third Year
Two Year Program:	53a-53b 55a, 55b	103a-103b 57, 105	
Three Year Program:	53a-53b 54a-54b	57, 55b	103a-103b 104a-104b

Students who have a professional objective requiring only one year of chemistry should find out whether qualitative analysis is to be included. If so, registration should be for 53a-53b and 55a, 55b (10 units). Those to whom qualitative analysis is not important should register for 53a-53b and 54a-54b (8 units).

53a-53b. Inorganic and Elementary Theoretical Chemistry.

MR. ROBINSON

Lectures, demonstrations and discussions in which attention is given to the philosophy of the scientific method and to the significance of scientific developments in human affairs, as well as to the more technical aspects of the science of chemistry. Special provision is made for those who have not had secondary school chemistry. This course is to be accompanied by a laboratory course, either 54 or 55. *TThS*, 9.

54a-54b. Laboratory Studies in General Chemistry.

MR. ELLIOTT

Concurrent with 53. 1 unit each semester. Laboratory fee, \$6.00 each semester. Breakage deposit \$10.00 per semester. Laboratory, *T or W*, 1:15-4:10.

55a, 55b. General Chemistry Laboratory and Qualitative Analysis.

MR. TYSON

Concurrent with 53a-53b; or 55b may be taken independent. The first semester covers the same ground as 54a-54b; 2 units. The second semester is laboratory practice in systematic semi-micro qualitative analysis; 2 units. Laboratory fee, \$10.00 each semester. Breakage deposit \$10.00 per semester. Laboratory, *Th*, 1:15-4:10.

57. Elementary Quantitative Analysis.

MR. ELLIOTT

The principles of quantitative analysis and chemical calculations. Laboratory practice in the simpler gravimetric and volumetric methods. Prerequisite: One year of college chemistry with laboratory. Laboratory fee, \$10.00. Breakage deposit \$15.00. First semester. Class, *S*, 8; laboratory, *WF*, 1:15-4:10.

103a-103b. Organic Chemistry.

MR. ROBINSON

Lectures, demonstrations and discussions, relating to the chemistry of carbon compounds, including a survey of physical-chemical fundamentals and their application in this field. Practical developments of organic chemistry are stressed. It is expected that laboratory work (104a-104b or 105) shall be concurrent with this course. Prerequisite: At least one year of college chemistry, including laboratory work. *MWF, 11.*

104a-104b. Laboratory Methods of Organic Chemistry.

MR. ROBINSON and ASSISTANTS

Reactions and syntheses of carbon compounds. 1 unit each semester. Laboratory fee, \$6.00 each semester. Breakage deposit \$10.00 per semester. Laboratory, *T or W, 1:15-4:10.*

105. Laboratory Methods of Organic Chemistry.

MR. ROBINSON and ASSISTANTS

For students who wish to take Chemistry 57 the first semester. Covers in one semester the same work done in 104a-104b. Laboratory fee, \$12.00. Breakage deposit \$20.00. Second semester, 2 units. Laboratory, *TW, 1:15-4:10.*

106. Advanced Quantitative Analysis.

MR. ELLIOTT

A continuation of Chemistry 57 for those students who wish to gain a more comprehensive knowledge of the theory and practice of quantitative analysis. Conferences will be held during laboratory periods. Laboratory fee, \$10.00. Breakage deposit, \$15.00. Second semester. Three laboratory periods, *WF, 1:15-4:10* and arranged.

ADVANCED COURSES FOR STUDENTS CONCENTRATING IN CHEMISTRY AND BIOCHEMICAL SCIENCES

107a-107b. Biological Chemistry.

MR. TYSON

The chemistry and physical chemistry of materials important in plant and animal organisms, and chemical aspects of the life processes of organisms. Most of the laboratory experiments employ quantitative technic. Prerequisite: General, analytical and organic chemistry. Laboratory fee, \$6.00 each semester. Breakage deposit \$10.00 per semester. Class, *WF 9; laboratory, W, 1:15-4:10.*

159a, 159b. Physical Chemistry.

MR. ELLIO

A general review of the fundamental physico-chemical concepts and principles with numerous illustrative problems, and laboratory practice in physico-chemical measurements. Prerequisite: For the first semester, a Junior course in either chemistry or physics; for the second semester, differential and integral calculus are also required. Laboratory fee, \$8.00 each semester. Breakage deposit \$10.00 each semester. Class, *TTh 10*; laboratory, *M, 1:15-4:10*.

160. Crystal and Molecular Structure.

MR. ELLIO

Theoretical and practical work in the analysis of the structure of crystals by means of X-Rays. May be taken as a continuation of Geology 105. Prerequisites: A Sophomore course in mathematics and a Sophomore course in either chemistry, geology or physics; also the consent of the instructor is required. 2 units. Laboratory fee, \$6.00. No breakage deposit required. Second semester. Arranged.

181a, 181b. Chemistry Conference.

THE STA

Oral or written reports by students, on material found in current chemical literature; discussions of research methods, trend of present-day research, and recent developments in theoretical and applied chemistry. Each semester. One unit. May be repeated for credit. *M, 1:15*.

183a, 183b. Methods in Chemistry.

THE STA

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, or biological chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of such course and written reports are required. Prerequisites: Analytical or organic chemistry and consent of instructor. 2 or 3 units. Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

191a, 191b. Research in Chemistry.

THE STA

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or biological chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 2 units. Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

GRADUATE WORK in History of Chemistry as well as in a considerable range of specialized fields of Chemistry is available under the auspices of Claremont Colleges.

Classics

GREEK

a-51b. Elementary.

MR. ROBBINS

First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature; Book I of Homer's Iliad. *MWF, 1:15.*

a, 101b. Selections from Greek Literature.

MR. ROBBINS

MWF, 1:15. (Omitted in 1940-1941).

LATIN

1b. Elementary.

MR. ROBBINS

An introductory course in the rudiments of the Latin language. *MWF, 11. (Omitted in 1940-1941).*

-53b. Cicero, Pliny and Horace.

MR. ROBBINS

Cicero, De Senectute; Pliny, Selected Letters; study of the life and times of the late Roman republic and early empire. Horace, Odes and Epodes; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. *TThS, 9.*

a-105b. Composition.

MR. ROBBINS

Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be re-elected with credit and is required of students majoring in Latin. One unit. Arranged.

a, 106b. Masterpieces of Greek and Roman Literatures in Translation.

MR. ROBBINS

Extensive readings in the literatures of Greece and Rome through the medium of English translation as a basis for the study of classical civilization and culture. The influence of the classics upon English and other modern literatures is stressed. No knowledge of Latin and Greek languages is required. *ThS, 8.*

a, 107b. Roman Comedy and Elegy.

MR. ROBBINS

Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. *MWF, 8.*

a, 159b. Roman History and Biography.

MR. ROBBINS

Two sequences of readings are offered in alternate years: a, Roman philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for credit in successive years. In 1940-1941 sequence a. *MWF, 3:15.*

GRADUATE WORK in Roman Literature is offered under the auspices of Claremont Colleges.

Economics

5a-5b. Accounting.

MR. N

A study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. *MF*, 11, and *T* or *W*, 4:05.

51a-51b. Principles of Economics.

MR. DUNC

The basic course in the general principles of Economics, including current problems. Required for students expecting to emphasize the study of Economics and prerequisite for advanced courses in Economics. Not open to Freshmen. Economics 51 prerequisite for Economics 51. Two sections. *MWF*, 8, 9.

103. Money and Banking.

MR. N

Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to suit a society with adequate media of exchange. First semester. *TTh*

105. Corporation Finance.

MR. DUNC

Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including some study of cooperative organizations. Prerequisite: Economics 5, or equivalent training in Accounting. First semester. *TThS*, 8.

106. Public Finance.

MR. DUNC

Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Second semester. *TThS*, 8.

120. Public Utility Economics.

MR. N

An historical and analytical study of public utility problems in the United States. Illustrative material is drawn from the water, gas and electric utilities, but particular emphasis is upon the economics of overhead costs, the role of competition and regulation. Second semester. *MWF*, 10.

153. International Economic Policies.

MR. CO

A study of the basic factors in international economic relations and conditioning the formulation of international economic policies. A survey of mercantilism, liberalism, socialism, industrialism, nationalism and imperialism, emphasizing international economic aspects. International economic adjustments subsequent to the World War, and international economic factors in depression. Commercial treaties. First semester. 3 units. *TTh*, 2:15-3:30.

Principles of International Trade.

MR. NESS

A study of the nature and principles of international economic relations. An analysis of the balance of payments and the processes of its equilibrium is followed by a study of the course and theory of the commodity trade and the movement of capital and labor from country to country. Second semester. *TThS*, 9.

Economic Problems of the Orient.

MR. DUNCAN

A study of the economic, social and political problems of the Far East with special reference to current conditions in China. Enrollment restricted to seniors expecting to concentrate in Social Science and to others by special consent of instructor; previous courses in Economics not prerequisite. First semester. *MWF* 11.

Monopolies and Trusts.

MR. BURGESS

A study of the economic principles and the legal status of monopolies. First semester. *MWF*, 9.

History of Economic Thought.

MR. COONS

A survey of the development of economic science and policy from the forerunners of the classical school to the present day. Second semester. 3 units. *TTh*, 2:15-3:30.

Economic Theory.

MR. NESS

A systematic study of the theoretical tools of analysis used in the consideration both of the economic system as a whole and the particular problems which arise within it. First semester. *MWF*, 10.

Economic Cycle Theory.

MR. DUNCAN

An introduction to the general problem of economic change and the theory of cycles. The course includes an explanation of the simpler statistical methods employed in cycle analysis and particular attention is given to the phenomena of the depression period of the '30's and various proposals for the control of cyclical movements. Business barometers and the problems of forecasting economic change. Mathematics 58 or equivalent training in statistics is recommended before enrolling in this course. Second semester. *MWF*, 11.

Education

53. Introduction to Education.

MR. FI

A course designed for those who desire an understanding of the American school system. The outstanding problems of present day education are examined and certain approaches to a solution of these problems are discussed. This course or equivalent is a prerequisite for all other courses in Education. First semester *MWF*, 9. Second semester, *TThS*, 9.

104a, 104b. History of Education.

MR. FI

The development of educational theory and practice from the Greek period to the present, with an attempt during the second semester to make a comparison of the established systems of America and typical European countries. History 1 or equivalent recommended as a prerequisite. 3 or 4 units. A registration of 4 units requires permission of the instructor. *MWF*, 11 a.m. arranged.

190. Principles of Secondary Education.

MR. FI

The factors and principles which underlie the theory and practice of secondary education, including the junior high school, senior high school and the junior college. Second semester *MWF*, 9.

A wide range of graduate work in Education leading to the various credentials as well as to the degree of Master of Arts is offered under the auspices of Claremont Colleges.

English

Writing is an emphasized feature of all Freshman and Sophomore courses. Persons who plan to concentrate in English should complete Reading List I before the beginning of the Junior year.

1a, 1b. English: An Introductory Course.

THE DEPARTMENTAL ST

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the most important literary types; instruction and practice in writing. A prerequisite for all other departmental courses. Men: in section meetings *TThS*, 8. Women: in section meetings *MWF*, 8.

55a, 55b. Nineteenth Century Literature.

MR. AN

An introduction to literary history and criticism, with intensive study of the poetry and non-narrative prose of the period and collateral reading in the novel. Juniors and Seniors may register for the course only on the written recommendation of the instructor. *MWF*, 9.

Types of Prose Fiction. MR. DAVIS and MISS WOMACK
A general survey of important works in prose fiction with emphasis upon the development and recurrence of significant phases within the type, such as tale, romance, novel. Two sections. First semester. *MWF, 10.*

Introduction to Drama. MR. DAVIS and MR. PHILBRICK
Great plays of various periods from the classic Greek to the present day; as extensive reading as time will permit. Two sections. Second semester. *MWF, 10.*

61b. Character Presentation in Dramatic Literature.

MRS. ALLEN

An approach to dramatic literature through the actor's art with some consideration given to the history of theatre practice and contemporary production methods. Scenes from plays, both classic and modern, will be studied with special emphasis on effective interpretation. Instructor's permission required for registration. *TThS, 10.*

English Composition. MR. PHILBRICK and MR. ANGELL
The fundamentals of effective expression in writing, with considerable attention to the composition of the "course paper." First semester. Two sections. *TThS, 9.*

Advanced Composition. MR. LINCOLN
A course for students who have mastered fundamentals. Prerequisite: A degree of distinction in Course 63 and the permission of the instructor. Second semester. *TThS, 9.*

ADVANCED COURSES

A substantial acquaintance with the books of Reading List I is most desirable as a preliminary to registration in Junior or senior courses.

101b. The Renaissance in England. MR. STRATHMANN
English literature of the Renaissance, dramatic and nondramatic, Spenser, Shakespeare, Bacon and Milton being main figures and the enduring contributions of the Renaissance in thought, forms, and materials being a major topic. *TThS, 9.*

103b. Literature of the Eighteenth Century.

MR. MCCULLEY

The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and on the Continent. *MWF, 9.*

105a, 105b. American Literature.

MR. LINCOLN

The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. *TThS*

111. The Short Story.

MISS WOMAN

Practice in supervised writing of short stories. Study of significant short stories. First semester. *TThS*, 9.

112. Playwriting.

MR. PHILBERT

The theory of playwriting with supervised practice in this technique. A study will be made of the structure and style of significant plays for their light on the problems of the beginning playwright. Second semester. *TThS*, 9.

151a, 151b. Creative Writing.

MR. LINCOLN

MISS WOMAN

Supervised practice in all forms of creative writing. Study of matters and fields of literary interest. *T*, 1:15-3:05, and *F*, 1

153. Chaucer.

MR. LINCOLN

A study of Chaucer as the outstanding narrative and dramatic poet of the transition from the medieval to the modern world. First semester. *MWF*, 9.

154. The English Language.

MR. STRATHMORE

A survey of the English language from Chaucer to the present day with emphasis on the development of vocabulary, grammar and syntax. Critical theories of language in relation to literature will be given due attention. The course is recommended especially to prospective teachers of English. Second semester. *MWF*, 9.

155a, 155b. Shakespeare.

MR. FRANK

A study of the principal plays. *MWF*, 11.

191a, 191b. The Great Victorians and Their Successors.

MR. IVAN

Recent literature in English considered as an outcome of nineteenth century backgrounds and main currents of modern thought. The first semester of the course comes to a focus on Arnold and Meredith; the second culminates in the literary activities of our own day. Required of students concentrating in English. Prerequisite: English 55 or an equivalent and permission of the instructor. *TThS*, 9.

a, 195b. The Development of English Literature.

MR. STRATHMANN

A seminar consisting of lectures, reading, papers and oral reports directed toward a synthesis on the student's part of his work in the field of literature and allied subjects. The course leads to the comprehensive final examination required of candidates for honors in English, or for honors in Division I. Open to Seniors only. Registration for the second semester is conditioned upon grade of B or better in the first. *M*, 2:15, and *W*, 2:15-4:05.

The opportunity for graduate work in English provided by the colleges of the Claremont group is quite extensive. In the way of literature and literary history it includes the more important authors and movements from Chaucer's time to the present day. There are offerings too, though considerably more limited, in the English language and creative writing. The student who purposes to go on into graduate study is advised to plan his whole course from at least as early as his junior undergraduate year.

French

See Romance Languages and Literatures.

Geology

51b. Introductory Geology.

MR. WOODFORD

Dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Laboratory fee, \$3.00 each semester. Class, *WF*, 8; laboratory, *W* or *Th*, 1:15-4:15.

Determinative Mineralogy.

MR. WOODFORD

Prerequisite: High school chemistry or equivalent. First semester. Two laboratory periods. 2 units. Laboratory fee, \$4.00. Arranged.

Crystallography.

MR. WOODFORD

Must be preceded or accompanied by Geology 53, unless taken upon the recommendation of the Department of Chemistry or of Physics. First semester, 2 units. *WF*, 10.

Petrology.

MR. WOODFORD

The study of rocks without the microscope. Prerequisite: Geology 51a, 53 and 105. Second semester. Two class and two laboratory periods. 4 units. Laboratory fee, \$4.00. *WF*, 10.

107b. Invertebrate Paleontology.

MR. WOODFORD

Prerequisite: Geology 51b; recommended preparation: Biology 51a. Two class and one laboratory periods, first semester; one class and two laboratory periods, second semester. Laboratory fee, \$6.00 each semester. Given alternate years. Arranged. (omitted in 1940-1941).

151a-151b. Petrography.

MR. WOODFO

Refraction and double refraction; the optical indicatrix; study of minerals and rocks with the petrographic microscope. Prerequisite: Geology 105. Two class and one laboratory periods, first semester; one class and two laboratory periods, second semester. Laboratory fee, \$5.00 first semester; \$8.00 second semester. Arranged.

181, 182. Geological Investigation and Research.

MR. WOODFO

3 units. Laboratory fee, \$4.00 each semester. Arranged.

A summer course in Field Geology offered by Stanford University is open to Pomona students who have completed Geology 105 and 110. 10 units of Junior credit are given for this course.

GRADUATE WORK in Geology with special reference to Petrography is offered under the auspices of Claremont Colleges.

German

1a-1b. Elementary German.

MISS WAGNE

The acquirement of a small working vocabulary. Constant exercises in reading and writing. The essentials of grammar and Etymology. Comment on German life and literature. *MWF, TThS, 9.*

49, 50. Elementary and Advanced German.

MISS WAGNE

Two years in one. 6 units. (*Omitted in 1940-1941*).

53a-53b. Advanced German.

MR. BAUMAN

More advanced German language study through intensive reading and discussion of selected German works, with considerable extended reading in the field of the students' individual interests. Continued practice in German conversation. Some attention to an understanding of the cultural life of Germany, Austria and Switzerland. Prerequisite: German 1 or an equivalent. *TThS, MWF, 10.*

102a, 102b. Conversation and Composition.

MISS WAGNE

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation. Prerequisite: German 53 or equivalent. *MWF, 15.*

109a, 109b. German Literature of the Nineteenth Century.

MR. BAUMAN

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German 53 or equivalent. *TThS, 10* and Arranged. (*Omitted in 1941*).

3a, 113b. German Classics of the Eighteenth Century.

MR. BAUMANN

A study of the outstanding works and personalities of the period with particular attention to the social and political life of Germany. *TThS*, 10 and arranged.

3a, 158b. Modern German Literature.

MR. BAUMANN

The development of German Literature from 1880 to the present with reference to the political and social changes during that period. Arranged.

Under the auspices of Claremont Colleges graduate work is offered in various phases of German Literature with special emphasis on the modern field.

Government

INTRODUCTORY COURSES

2b. Modern Governments.

MR. SAIT

First semester: American Government, with emphasis upon national institutions. Second semester: European governments, with emphasis upon British and French institutions. *TThS*, 9.

, 54b. The State.

MR. KIRKWOOD

First semester: Organization.

A study of the major political institutions evolved by man in the course of governing himself and his fellows. Attention will be given to the contrasting solutions afforded by democracy and dictatorship.

Second semester: Problems and methods of control.

An inquiry into the underlying forces which condition and limit the working of the institutions studied in 54a. Topics for discussion will include theories of the state, political myths, the nature of law, nationalism, and public opinion. 54b (second semester) is not open to students who have taken A1a, A1b. *MWF*, 10.

ADVANCED COURSES

Open to students who have taken nine units of the introductory courses or who have received the written consent of the instructor.

. Municipal Government.

MR. KIRKWOOD

The problem of local self-government viewed from the standpoint of administration, political control, and the changing pattern of social and economic life. Typical solutions in the United States and Europe will be examined, and the student will apply the general principles evolved to a particular study of that town or city which interests him most. First semester. *MWF*, 9.

104. Administration.

MR. KIRKWOOD

The growth and mechanism of the modern service-State, with special reference to the theory and practice of responsible bureaucracy, as developed in the United States and abroad. Second semester. *MWF*, 9.

105a, 105b. Introduction to Law.

MR. BURTON

The first semester will be devoted largely to a study of jurisprudence; the second semester to the development of American law and legal institutions with some analysis of the rights and liabilities arising from the more common legal relationships. Either semester may be taken without the other. *MWF*, 8.

108a, 108b. International Relations.

MR. STONE

In the first semester the main subjects of discussion will be economic discords and harmonies, the cause and effect of various methods of adjusting disputes, international co-operation, the peace movement, and the League of Nations. The second semester will be devoted to a survey of international law—its nature, sources, and content. *TThS*, 8.

152a, 152b. Public Opinion.

MR. KIRKWOOD

First semester: Fundamentals. Individual and group opinions in the setting for political action. The origin, nature, and measurement of this opinion, and the possibility of controlling it through propaganda and other pressures with reference to outstanding examples both here and abroad.

Second semester: Problems. There will be reports, discussion and criticism, but no lectures and no examination. Each student will apply the principles and techniques derived from the first semester to two projects: (1) a preliminary investigation of the entrance of the United States into the first World War, and (2) a special investigation of any other topic chosen by him and approved by the instructor. *MWF*, 11.

153. Political Institutions.

MR. STONE

A comparative survey of the agencies through which the government of the state is carried on: executive and legislative, their mutual relations, the role of parties, the suffrage and systems of election, law, civil service and bureaucracy. First semester. *TThS*, 10.

154. Constitutional Law.

MR. BURTON

An examination of the Constitution of the United States and the decisions of the Supreme Court upon questions arising thereunder. Second semester. *MWF*, 9.

C. Political Parties.

MR. SAIT

Their role in a democracy; their relation to the electorate, public opinion, and pressure groups; how they are organized and financed; how they nominate candidates and fight campaigns. While attention will focus upon the American scene, phases of foreign practice will be noted, especially regarding the conduct of elections. Second semester. *TThS*, 10.

D. (Oriental Affairs 161) Contemporary Far Eastern Government.

MR. CHAN

The processes of political control in China and Japan under conditions different from those in the West and the significance of the resulting similarities and contrasts for political thought and for an understanding of contemporary international problems. First semester. *MWF*, 8.

Attention is called to the following courses given outside the department:

Philosophy 132. Types of Political Theory.

III-21 (Scripps). Modern Political Ideas.

III-28 (Scripps). European Thought.

READING COURSES IN HONORS

These courses consist of assigned reading and the preparation of essays. Normally they carry, in each case, three units; under exceptional circumstances and only in the senior year, six units; and for summer reading, one to three units, according to the extent of the completed program. The essays are read before the whole group of candidates for honors, which meets every Thursday evening, with members of the faculty in attendance.

These members are: Messrs. Burgess, Gleason, W. T. Jones, Kirkwood, and Sait of Pomona College; and Messrs. Bergmaesser and Saunders of Scripps College.

142. Political Thought from Plato to Bentham.

192. Topics for each semester, to be approved by the department.

History

1a-1b. The Development of Western Civilization.

MR. PITMAN, MR. GLEASON, MR. KEMBLE

The evolution of civilization in Europe from antiquity to close of the French Revolution, and its spread throughout world. Attention is paid to the political, religious, intellectual and economic forces of change. The aim is to lay a foundation for the understanding of contemporary problems. This course or its equivalent is normally a prerequisite for advanced course in history. Three sections. *MWF*, 9, Mr. Pitman and Kemble; *TThS*, 9, Mr. Gleason.

55a, 55b. History of the United States.

MR. KEMBLE

The political, cultural and economic development of the United States from its beginnings as an outpost of European expansion to a position of independence and world influence. *MWF*, 8

56a, 56b. (Oriental Affairs 56). The Development of Oriental Civilization.

MR. CHASE

The cultural history of eastern Asia with emphasis on the factors of significance for an understanding of contemporary life. While most attention will be given to the main stream of cultural development in China and Japan, the contributions of that stream from central Asia and India and the more recent inter-relations with the West will also be considered. First semester to 1650. Second semester 1650 to present. No prerequisite. *MWF*, 10.

107a-107b. English History.

MR. PITMAN

The development of the main features of civilization in England and the British Empire. Emphasis is laid upon the evolution of religious, intellectual, and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. First semester, Great Britain 1660; second semester, Great Britain and the Empire since 1660. *MWF*, 11.

109. The Expansion of Europe, 1400-1825.

MR. KEMBLE

The maritime and colonial activities of Portugal, Spain, France, Great Britain and the Netherlands in the early modern period. A comparison of the aims, methods and results of overseas expansion. Consideration is given to the background and achievement of independence in the Americas. First semester. *MWF*, 11.

113a, 113b. The History of Modern Europe

MR. GLEASON

Europe from the beginning of the French Revolution to the Peace of Versailles. Political, economic, social, and intellectual developments will be studied with reference both to their intrinsic significance and to an understanding of present-day Europe.

The course will conclude with a brief consideration of the events of the last two decades. Open to sophomores who satisfy the instructor of the adequacy of their preparation. *MWF*, 9.

. The Intellectual and Social History of America

Since 1850.

MR. MARTIN

A study of civilization in the United States in which historical events are viewed from the standpoint of their cultural significance, and of their social and intellectual causes. Important individuals and social movements are subjected to philosophical criticism, and there is a psychological study of past and present crowd tendencies. First semester. *WF*, 2:15-3:45.

. Representative Historical Personalities.

MR. GLEASON

The purpose of the course is the study of a number of significant historic figures with relation to the societies in which they lived, and the evaluation and comparison of their influences upon their own and upon subsequent times. Original materials will be used as far as possible and the work of the course will include discussions and essays. Four or five of the following will be chosen: Pericles, Caesar Augustus, St. Bernard, St. Francis, Henry VIII, Richelieu, Colbert, Frederick the Great, Gladstone. First semester. Arranged.

. Topics in the History of Modern Europe.

MR. GLEASON

The course will study more thoroughly than is possible in History 113 certain aspects of the evolution of Europe in the nineteenth century. The topics will be selected in accordance with the particular interests of the members of the class. There will be lectures and more informal discussions. Each student will be expected to work on several topics, making use of original material so far as possible. The course will be open only to those who have taken, or are taking, History 113, or have had equivalent preparation. Second semester. Arranged.

. (Oriental Affairs 160). History of Far Eastern Diplomacy.

MR. FAHS

(omitted in 1940-1941).

. 166b. Medieval Civilization.

MR. PITMAN

A study of the institutions, economic and social structure, religion and art of Europe, mainly in the twelfth and thirteenth centuries. Lectures, and discussions of reports on topics of particular interest to members of the class. Prerequisite: History 1 or an equivalent preparation. *TTh*, 3:15-4:45.

. 166a, R166b. Readings in Medieval Civilization

MR. PITMAN

For honors students concentrating in history, to accompany History 166a, 166b. Weekly conferences. Arranged.

170. History and Cartography of Western America and the North Pacific.

MR. KEN

The exploration and settlement of the area, the evolution of political, cultural and economic institutions, and the opening of routes of land and oceanic communication. Splendid facilities for advanced work in this field are offered by the Henry Wagner Collection of History and Cartography of the University of California and the Mason Library of California and Western American History. Second semester. *MWF, 11.*

HONORS

A student admitted to honors in the Social Sciences with History as his major field of concentration will, in addition to the program of reading and conferences arranged with the member of the department who acts as his adviser, participate in a pro-seminar group. This will be made up of the departmental faculty and student members of the honors, and will meet for the presentation of reports and discussion.

141a, 141b. History and Historians.

THE DEPARTMENTAL ST

A consideration of the theory and interpretation of history through the reading of a selected group of great historical classics, and a study of the development of historiography. Arranged.

191a, 191b. Selected Topics for Historical Investigation.

THE DEPARTMENTAL ST

Arranged.

Mathematics

1a, 1b. Introduction to College Mathematics.

DEPARTMENTAL ST

The objective of this course is to prepare students for work in calculus the following year. The subject matter covered for particular students will be adjusted to meet their needs as indicated by their previous preparation. Prerequisite to further work in the department, except Math. 57 and 58. To be offered at three periods and in as many sections in each period as registration calls for. *TThS, 9, 10, MWF, 10.*

57. Mathematics of Finance.

MR. JA

Interest, annuities, amortization, depreciation, and an introduction to the mathematics of life insurance. No prerequisite. First semester. *MWF, 9.*

58. Statistical Methods.

MR. JA

Graphs, averages, frequency distribution, probability, correlation, index numbers. No prerequisite. Laboratory fee \$1.00. Second semester. *MW, 9, laboratory, F, 1:15-4:10.*

Surveying.

MR. TAYLOR

e and adjustment of surveying instruments. Methods of making and mapping surveys for various purposes. Given during summer session at the Bluff Lake Camp of Pomona College. Prerequisite: Plane trigonometry. 6 units.

65b. Differential and Integral Calculus.

MR. TAYLOR and MR. HAMILTON

continuation of Mathematics 1. *MWF, 9, TThS, 9.*

Plane Analytic Geometry.

MR. TAYLOR

study of the straight line, conic sections, higher plane curves and their properties. Prerequisite: Math. 1. First semester. *MWF, 11.*

Solid Analytic Geometry.

MR. TAYLOR

lines, curved surfaces, and space curves. Also a brief treatment of spherical Trigonometry. Prerequisite: Math. 67. Second semester. *MWF, 11.*

9 119b. Higher Algebra and Theory of Equations.

MR. JAEGER

theory and solution of higher algebraic equations and other advanced topics in algebra. *TThS, 8.*

1 151b. Differential Equations.

MR. JAEGER

general course in the theory and solution of differential equations. *MWF, 8.*

2 152b. Advanced Calculus.

MR. HAMILTON

brief introduction to Taylor's series, approximation by series, line and surface integrals, Fourier's series, complex variable, and related topics. *MWF, 9.*

1 Selected Topics in Higher Mathematics.

DEPARTMENTAL STAFF

From time to time work in complex variable, projective geometry, differential geometry and number theory will be given as demand requires. 1 to 3 units. Arranged.

GRADUATE WORK in Number Theory, Differential Geometry, Real and Complex Variable is offered under the auspices of Claremont Colleges.

ENGINEERING DRAWING

7a, 7b. Engineering Drawing.

MR. TAY

A beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. Laboratory fee, \$2.00 per unit. 1 or 2 units. *TWTh or F, 1:15-4:10.*

59. Engineering Drawing.

MR. TAY

Continuation of 7b. Either semester. 1 or 2 units. Laboratory fee, \$2.00 per unit. *TWTh or F, 1:15-4:10.*

60. Engineering Drawing.

MR. TAY

Descriptive geometry. Prerequisite Mathematics 7 or its equivalent. Either semester. 1 or 2 units. Laboratory fee, \$2.00 per unit. *TWTh or F, 1:15-4:10.*

112a, 112b. Engineering Drawing.

MR. TAY

Elements of engineering design. 2 units. Laboratory fee, \$2.00 per unit. *TWTh or F, 1:15-4:10.*

Military Science

The College maintains an Infantry Unit, Senior Division, of the Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students as lieutenants in time of national emergency. Students who successfully complete the four-year course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The courses include both classroom and outdoor instruction. Theoretical instruction covers the basic technical knowledge required of a lieutenant of the United States Army. Drill periods provide opportunity for the practical application of the theoretical instruction and for the improvement of the posture and physical coordination of the student. Special emphasis is placed on the development of the qualities of leadership. The poise acquired by the student and his practical experience in the art of command are applied in many walks of life.

The instructors in the department are officers of the Regular Army detailed for duty at the College by the War Department. Equipment provided includes rifles, automatic rifles, machine guns, a one-pounder gun, a Stokes mortar, and instruments for a 28-pound band. All students are given instruction in marksmanship. Ammunition for target practice is furnished without charge. Competitions are held and a rifle team selected for intercollegiate matches.

Students who have received training in a Junior R.O.T.C. may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of 1½ years Senior unit training. Application for advanced standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the school which the student attended.

The four year course is divided into the basic course, consisting the first two years, and the advanced course consisting of the first two of the third and fourth years. Enrollment in either course is voluntary but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a requisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligations of military service nor does it interfere with the participation in sports by the student. Uniforms for the basic course are issued without charge to the student.

Enrollment in the advanced course is limited to selected students who have completed the basic course or its equivalent and who enter under an agreement to attend one summer camp for a period of six weeks. Attendance at this camp is expected during the summer between the Junior and Senior years. Students enrolled in the advanced course are required to attend camp before graduation. In consideration of this agreement students receive, from the government, cash allowances equivalent to a scholarship of about \$125.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from camp, are provided by the government.

1-157a. First Year Basic Course.

MAJOR HANSON

National defense; citizenship; military courtesy and discipline; rifle marksmanship; map reading; military policy of the United States; military organization; military hygiene and first aid; close and extended order drill and ceremonies. $1\frac{1}{2}$ units. 2 sections. Class, *M*, 8 or 9. Drill, *M*, 1:15-3:05.

1-153b. Second Year Basic Course.

MAJOR BARBER

Rifles; marksmanship; scouting and patrolling; infantry weapons; automatic rifle; combat principles of the rifle squad; drill and command. $\frac{1}{2}$ units. 2 sections. Class *S*, 10 or *F*, 1:15; Drill, *M*, 1:15-3:05.

1-105b. First Year Advanced Course.

MAJOR BARBER

Leadership; 37 mm. gun and Stokes mortar; machine guns; field fortification; automatic pistol; combat orders; marches and security; combat principles of the rifle section and platoon; interpretation of aerial photographs; drill and command. $3\frac{1}{2}$ units. 2 sections. Class *MWF*, 9 or 11. Drill, *M*, 1:15-3:05.

1-157b. Second Year Advanced Course.

MAJOR HANSON

Leadership; military history of the United States; military law; tanks and mechanized warfare; antiaircraft defense; signal communications; tactical problems in the command of rifle and machine gun companies and the howitzer platoon; drill and command, as platoon, company and battalion commanders. $3\frac{1}{2}$ units. 2 sections. Class, *TThS*, 8 or 9. Drill *M*, 1:15-3:05.

Music

THEORY AND APPRECIATION

1a-1b. Elementary Harmony. MR. ALLEN, MR. SN

A study of intervals, scales, tonal magnetism, primary triads, dominant seventh and ninth chords, and all non-chordal triads. Harmonization of melodies. Prerequisite: Elementary knowledge of the pianoforte. *MWF*, 9 or 1:15.

53a-53b. Introduction to Music. MR. DAY

A practical course in listening to music. Through a study of basic forms the student is acquainted with a large repertoire of solo, symphonic, operatic, and chamber music, and with the composers who composed it. 2 units. *MW*, 2:15 or 3:15.

55a-55b. Advanced Harmony. MR. ALLEN

Secondary harmonies. Modulation and chromatically altered chords. Keyboard drill and analysis. Creative work is emphasized from the beginning. Harmonization conducted on a melodic basis. Prerequisite: Music 1 or equivalent. *MWF*, 1:15.

104a-104b. History of Music. MR. DAY

A general survey of the history of occidental music from the beginning of the Christian era. Prerequisite: Music 1. *TThS*, 8.

107a-107b. Counterpoint. MR. ALLEN

A study of Simple Counterpoint in the five species with a view to learn the art of free part-writing. Creative work in various contrapuntal forms such as the Invention and the Suite, will be undertaken during the course. Prerequisite: Music 55. *TThS*, 8.

113a-113b. Orchestration and Instrumentation. MR. BLANCHARD

A study of the instruments of the modern orchestra; their history, technical limitations and use in various groups; analysis of scores and the technique of scoring. Prerequisite: Music 107. *MWF*, 8.

158a-158b. Free Composition. MR. ALLEN

Advanced original work in the shorter free styles. Prerequisite: Music 107. Arranged.

159. Form and Analysis. MR. BLANCHARD

Designed to lead to a clear understanding of the principles which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music 55. 2 units. Offered in alternate years. *TTh*, 8.

APPLIED MUSIC

Class Instruction (No special fees).

(Enrollment for credit is limited to two courses at one time.)

57b. Choral Singing.

MR. LYMAN

The study and production of choral music, especial attention being given to diction, phrasing, content of the works dealt with, and an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and as such will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays from 11:30 to 12:20. One unit. The course may be repeated for credit.

58b. Orchestra.

MR. FISKE

The study of major works of orchestral repertoire and application of the principles of orchestral routine through public performance. Two periods of attendance weekly; one unit credit. Additional sectional rehearsals at option of director. The course may be repeated for credit. *T and F, 4:15.*

59b. Band.

MR. BLANCHARD

The study and production of the best in concert band repertoire. Two periods of attendance weekly (also one hour of drill on Saturday at 11:00 during football season); one unit credit. The course may be repeated for credit. *M and W, 4:15.*

Individual Instruction.

SPECIAL FEES

	Per Semester
For those paying regular tuition:	
half hour private lesson per week	\$45.00
half-hour in excess of one per week	40.00
For those carrying less than ten hours of college work, exclusive of work in applied music:	
half-hour private lesson per week	60.00
half-hour in excess of one	40.00

PRACTICE FEES

For those carrying less than ten hours of college work, exclusive of work in applied music:	
one half-hour daily, \$3.50; one-hour daily	\$6.00
For ORGAN, one hour weekly	5.00
For MANUAL PRACTICE ORGAN, one hour weekly	2.00
For PIANO, one hour daily	6.00
For VIOLIN, VIOLA, CELLO, FLUTE, ETC., room without piano, one hour daily	1.50

The student in applied music under individual instruction will be enrolled for credit toward the Bachelor of Arts degree only upon the written recommendation of the Chairman of an Examination Committee and the Head of the Department, and upon the subsequent favorable action of the Classification Committee. This recommendation is based upon the degree of ability and advancement shown in Proficiency Tests. To receive credit applied music must be accompanied or preceded by first year harmony, Music 15. This course entitles a student to register for credit in applied music for one or two lessons per week for the first year and one lesson a week for the remaining three years. If credit is desired for more than two lessons per week for a second year or more, the work must be accompanied or preceded by second year harmony, Music 55. Six units per semester are given for two lessons a week, one unit per semester for one lesson a week. No college credit is given for work below Sophomore standard of achievement. (As many Freshmen are able to pass the prerequisite tests allowing them to take Music 55, students of all classes are advised to confer with the Head of the Department regarding eligibility for credit.) Not more than 12 units' credit in applied music may be counted toward the Bachelor of Arts degree unless the student is able to present a total of 16 units of senior standard of achievement in any field of applied music. In this case 16 units' credit may be allowed. Proficiency tests are required only of students desiring credit toward the Bachelor of Arts degree.

Voice

MR. LYMAN, MISS STEVENSON

Organ

MR. BLANCHARD

Piano

MR. OLIVE, MR. DAYTON, MR. SNYDER

Violin and Viola

MR. ILLIOTT

Wind and Percussion Instruments

MR. BLANCHARD

Lessons on other instruments may be arranged for private instruction through the office of the Music Department.

III. Group Instruction (Special fees charged).

Class lessons for beginning students are offered at \$2.00 per semester, a registration of four persons being set as the minimum. For this work no collegiate credit is given. Each student meets once a week for an hour.

GRADUATE WORK in composition and study of Music Form and Public School Music Methods is offered under the auspices of Claremont Colleges.

Oriental Affairs

For convenience of reference all of the courses dealing specifically with Oriental Affairs are listed below. Students should register for these courses under the departmental number given in parenthesis.

56b. (History 56a, 56b). The Development of Oriental Civilization MR. CHAN

The cultural history of eastern Asia with emphasis on those factors of significance for an understanding of contemporary life. While most attention will be given to the main stream of cultural development in China and Japan, the contributions to that stream from central Asia and India and the more recent inter-relations with the West will also be considered. First semester to 1650. Second semester 1650 to present. No prerequisite. *MWF, 10.*

Far Eastern Literature in Translation. MR. CHAN

A study of outstanding Chinese or Japanese literary works in English translation with the aim of a deeper appreciation of Oriental life and thought. Chinese and Japanese in alternate years. 1940-1941—Chinese literature. Second semester. *MWF, 9.*

(Philosophy 126). Oriental Philosophy. MR. IREDELL
Second semester. *MWF, 11.*

(Economics 157). Economic Problems of the Orient. MR. DUNCAN

First semester. *MWF, 11.*

(History 160). History of Far Eastern Diplomacy. MR. FAHS

(omitted in 1940-41).

(Government 161). Contemporary Far Eastern Government. MR. CHAN

The processes of political control in China and Japan under conditions different from those in the West and the significance of the resulting similarities and contrasts for political thought and for an understanding of contemporary international problems. First semester. *MWF, 8.*

Philosophy

Courses 55 and 57 are general introductions to philosophy. They are recommended both for students who wish a general acquaintance with the subject, and for those who wish to lay a foundation for advanced work.

51. Introduction to Logic.

MR. IRELAND

A study of the elements of deductive and inductive reasoning with special emphasis upon the problems of definition, the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. Second semester. *TThS*, 10.

53. Philosophy of Art.

MR. W. T. JOHNSON

An investigation of the nature of a work of art and of the significance and limitations of the aesthetic experience. In the course of the semester a number of classic theories of aesthetics will be examined, including those of Aristotle and Croce. Some previous work in philosophy or in the history or practice of any of the arts is recommended but not required. First semester. *TThS*, 10.

55a, 55b. History of Philosophy.

MR. W. T. JOHNSON

An introduction to philosophy through the study at first of some of the works of six or seven significant and representative philosophers, supplemented by an attempt to trace the main lines of historical development, especially in ancient Greek thought and in Europe since the Renaissance. *MWF*, 10.

57a, 57b. Problems of Philosophy.

MR. IRELAND

An introductory consideration of the meaning and methods of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology, and a review of some of the main philosophic estimates of life. (Omitted in 1940-41).

124. Types of Ethical Theory.

MR. W. T. JOHNSON

A critical examination of some of the chief types of ethical theory (e.g. Aristotle, Kant and Bergson) and a consideration of their various solutions to the main problems of moral theory. Some previous work in philosophy is recommended, though not required. First semester. *MWF*, 9.

126. Oriental Philosophy.

MR. IRELAND

This course is designed to provide the student with a general background of oriental thought as a basis for further study of oriental life and culture. An attempt will be made to gain an appreciation of the thought life of the Orient through a study of some of the more important thinkers and schools of oriental philosophy and through a comparison of oriental and western philosophical views and cultural ideals. Second semester. *MWF*, 11.

2. Types of Political Theory.

MR. W. T. JONES

A study of some of the principal ways in which philosophers have attempted to justify the existence of political societies and a critical evaluation of their success. Attention will be concentrated on the political theories of Aristotle, Hobbes and T. H. Green. Second semester. *MWF*, 9.

. The Nineteenth Century.

MR. W. T. JONES

A study of the main currents of 19th century thought and of their reflection in the literature, the history and the social movements of the period. A number of such currents will be examined, including the impact of science on religion, the conflict between individualism and collectivism, and the contrast between romanticism and naturalism. First semester. *MWF*, 11.

. The Philosophy of Science.

MR. IREDELL

This course is designed especially for students interested in problems of physical and biological sciences. (*Omitted 1940-41*).

. Contemporary Philosophy.

MR. IREDELL

A study of contemporary philosophic thought through some of the main modern thinkers with special reference to the dominant ideas of the civilization of today. Prerequisite: Philosophy 5 or 57, or such previous work as will provide an equivalent grasp of the basic problems of philosophy. Second semester. *ThS*, 9.

Contemporary Philosophy of Education.

MR. IREDELL

A consideration of educational philosophies at work in the world today, together with a critical analysis of the chief philosophical problems involved. The course will include a brief survey of some of the current attempts to reform education in this country and abroad, and will consider the contributions of some of the outstanding contemporary philosophical thinkers to the problems of education. Second semester. *MWF*, 8.

The Philosophy of Plato.

MR. W. T. JONES

A detailed study of Plato's thought, based upon the reading and discussion of ten or twelve representative dialogues. Prerequisite: one year's work in philosophy, preferably 55 or 57. Second semester. (*Omitted in 1940-41*).

Some Representative Philosophies of Life. MR. W. T. JONES

A critical evaluation of the contribution made by a number of representative thinkers to an understanding of the western mind. A careful study will be made of the work of one or two such men from each of several cultural periods, including Plato and Sophocles, Dante and St. Augustine, and, among contemporaries, Whitehead and T. S. Eliot. Second semester. Arranged.

A considerable range of graduate offerings in Philosophy is available under the auspices of Claremont Colleges.

Physical Education

The program of Physical Education in Pomona College is based upon the belief that a liberal education should include knowledge of the structure and functions of the human mechanism; understanding of the hygienic practices which promote physical, mental and social health; reasonable skill in developmental and recreational activities of a physical type which will promote the individual's well-being during college years, and in later life; and a disposition to make such knowledge and skill essential elements in effective living.

Increasing interest in health, physical education and recreation in the United States has resulted in a growing demand for well-trained and competent leaders in these fields. Pomona students may qualify for such professional work by pursuing a major course in Physical Education, followed by a year of graduate work in Claremont Colleges.

MEN AND WOMEN

A student may count toward graduation not more than one hour per semester in "sports" and "activities" during his first two years, and not more than one-half hour per semester during the last two years.

5. Principles of Healthful Living.

MR. NIXON and MISS KELLEY

An introduction to general hygiene dealing with the meaning and significance of physical, mental, and social health as related to the individual and to society. Important phases of our National health problem. Constructive methods of promoting the health of the individual. Defensive hygiene. Special health problems of college students and young people generally. Elective either first semester. 2 units. Men, Mr. Nixon; women, Miss Kelley. *TTh, 10.*

123. Nature and Function of Play.

MISS KELLEY

The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out maximum habits, attitudes and judgments. First semester. 2 units. *TTh, 10.*

124. Community Recreation.

MR. HEWITT

A study of the organization of the school and the public recreation ground, the types of leadership, and types of activities suited for various age periods. Discussion of the technique of organizing the recreation center. Organization of leadership. Limited to Juniors and Seniors. Second semester. 2 units. *TTh, 8.*

126. Community Health.

MISS KELLEY

A brief survey of the fields of community and public health dealing with the health of people as a group, and with the social and governmental activities which are concerned with environmental control and health promotion. Hygiene and the correlation of the total health teaching program. Second semester. 2 units. *TTh, 9.*

. Kinesiology.

MISS CAWTHORNE

An analysis of joint and muscular mechanism, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. First semester. *MWF*, 8.

. Physical Deviations.

MISS CAWTHORNE

Study of the causes, prevention, and correction of physical defects. Laboratory work includes methods of examination, prescription of exercises. Prerequisite: 129. Second semester. *MW*, 9; and laboratory arranged.

. Principles of Physical Education.

MR. NIXON

Limited to Seniors preparing to teach Physical Education. Second semester. *MWF*, 11.

MEN

Students engage in programs of physical education activities selected according to individual needs as determined by medical and physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Among minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense or gymnastics, proficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under supervision of the Department: Archery, badminton, baseball, basketball, boxing, corrective exercises, cross country running, football, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student obtains credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a certificate from the College Physician indicating that the individual is physically fit for such participation.

b. Physical Education Activities.

THE STAFF

Required, Freshman year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. Arranged.

c. Gymnastic Exercises.

MR. STREHLE

Required of Freshmen not taking military science. $\frac{1}{2}$ unit. *M*, 15; *Th*, 4:15.

33b. Physical Education Activities.

THE STAFF

Required, Sophomore year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. Arranged.

34b. Physical Education Activities.

THE STAFF

Required of Sophomores not taking military. Sophomore year. $\frac{1}{2}$ unit. Arranged.

105a-105b. Physical Education Activities.

THE ST

Required, Junior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. Arranged.

107a-107b. Physical Education Activities.

THE ST

Required, Senior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. Arranged.

191a-191b. Technique of Teaching Physical Education.

MR. HEATH, MR. STREHLE and MR. MERRILL

This course is devoted mainly to methods in teaching and supervising athletics. Open to Seniors only. 2 units. Arranged.

WOMEN¹

A medical and physical examination is given all entering students with subsequent posture tests. Physical activities are all or prescribed as the result of these examinations. Participation 11a-11b is required for the Freshman year. Students may have freedom of election in other activities in so far as medical and physical examinations warrant, but must include during the Freshman and Sophomore years one individual sport, one team or group sport and one semester of either tap, folk, or natural dancing.

ACTIVITY

Six units of Physical Education Activities are required for graduation. One unit is credited for 11, Fundamentals, a special course organized in such a fashion as to include the basic fundamentals of physical activity. The remaining 5 units may be earned by participation in any of the following activities.

Individual Sports	Team Sports	Dancing	Gymnastics
Archery	Basketball	Rhythmics	Danish
Badminton	Baseball	Creative	Individual
Golf	Hockey	Tap	
Riding	Speedball	Folk	
Riflery	Volleyball		
Swimming			
Tennis			

¹Students interested in camp leadership are referred to the announcement on page 67.

Course in Recreational Games including:

Croquet	Shuffleboard
Horseshoes	Tenniquois
Paddle Tennis	Tether Ball
Ping Pong	

11a-11b. Fundamentals.

THE ST

Required, Freshman year. $\frac{1}{2}$ unit. Arranged.

12a-12b. Sports and Dancing.

THE ST

Required, Freshman year. $\frac{1}{2}$ to 1 unit. Arranged.

63a-63b. Fundamentals, Sports or Dancing.

THE ST

Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.

-64b. Fundamentals, Sports or Dancing. THE STAFF
Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.

a-115b. Fundamentals, Sports or Dancing. THE STAFF
Required, Junior year. $\frac{1}{2}$ unit. Arranged.

a-117b. Fundamentals, Sports or Dancing. THE STAFF
Required, Senior year. $\frac{1}{2}$ unit. Arranged.

THEORY

a-119b. Methods in Coaching and Supervising
Sports. MISS BRISTOL
unit. 1st semester *F*, 1:15; 2nd semester, *F*, 2:15.

Physics

b. Introduction to Physical Science.

MR. TILESTON and MR. HAUPT

A non-mathematical course intended for those who wish to obtain a knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the discrete structure of electricity and matter. Fee, \$5.00 each semester. *MWF*, 10.

51b. General Physics.

MR. TILESTON

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. *MFW*, 8.

52b. Physical Measurements. MR. TILESTON and MR. HAUPT
Quantitative laboratory work in the subjects indicated in Course
a. Must accompany 51. 1 unit. Laboratory fee, \$3.00. *W* or *Th*.
15-4:15.

Slide Rule and Precision of Measurements.

MR. HAUPT

A study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics 51, 52. First semester. Fee \$3.00. *MWF*, 9.

-111b. Electricity and Magnetism.

MR. TILESTON

A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics 51, 52. *TThS*, 8.

113a-113b. Mechanics.

MR. H.

Kinematics and dynamics of motion. Study of forces and relation to motion. Concepts of work, power, momentum pulse. Centers of mass, moments of inertia, products of inertia. Statics and the equilibrium of particles, rigid bodies and structures with special emphasis on engineering applications. Prerequisite: Calculus. *MWF, 11.*

151a-151b. Electrical Measurements.

MR. TILE

Laboratory in electrical and electromagnetic measurements including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacitance. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics 111 preceding or accompanying this course. 1 unit. Laboratory fee, \$4.00. *M, 1:15-4:15.*

153a-153b. Optics.

MR. H.

The fundamental laws of geometrical and physical optics. Wave theory of light, interference, diffraction, polarization, electromagnetic theory of light, reflection and refraction, dispersion, magneto-optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics 51, 52 and Calculus. *TThS, 10.*

154a-154b. Optical Measurements.

MR. H.

Quantitative verification of the laws of geometrical and physical optics, interference, diffraction, polarization, dispersion and diffraction, photometry and photography. Special emphasis given to the work in spectroscopy. Laboratory to accompany 153. 1 unit. Laboratory fee, \$4.00. *F, 1:15-4:15.*

191a-191b. Mathematical Physics.

Atomic physics and mathematical physics presented by the departments of mathematics and physics. Prerequisite: Calculus and major work in a physical science. 2 units. Arranged.

195a-195b. Research.

MR. TILESTON and MR. F.

The following problem is in progress in the department: Properties of high energy ions.

Majors in the department who are properly qualified will be accepted as research associates. 1 to 3 units. Laboratory fee \$2.00 per unit. Arranged.

Psychology

51a, 51b or 52 is prerequisite to all further courses in the department. Courses numbered 100 to 149 may be taken concurrently with 51b.

51b. Introduction to Psychology. MR. EWER and MR. ELLIS
Fundamental facts and principles of consciousness and behavior. The relation of the nervous system to mental processes and action. Practical applications in various fields. Four sections, *TThS* 9, *MWF* 11, Mr. Ewer.

The other two sections will be in charge of Mr. Ellis and will meet *MW* 9, *TTh* 10, supplemented by a laboratory period with notes to be written up outside of laboratory time. Laboratory periods *MT* or *W*, 1:15-3:10, or *F*, 2:15-4:10. Laboratory fee \$1.50 each semester.

Elements of Psychology.

MR. ELLIS

Similar to 51a, 51b. Second semester. 4 units. (*Omitted in 1940-1941*).

Individual Differences.

MR. ELLIS

A study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex and race differences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields are considered briefly. First semester. *TThS*, 9.

Problems of Psychological Research.

MR. EWER

The mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include hyperesthesia, automatisms, illusions and hallucinations, hypnotism, contemporary occultism and spiritualism. First semester, *TThS*, 10.

Educational Psychology.

MR. ELLIS

Practical applications of psychology to education. The nature of the learner; intelligence and motivation; principal features of the learning process. First semester. *MWF*, 11.

Child Psychology.

MR. ELLIS

An intensive survey of physical and mental growth and development. Particular attention will be given to methods of child training and to the hygiene of growth. Second semester. *MWF*, 11.

Experimental Psychology.

MR. PERKINS

A laboratory course in psychology accompanied by lectures and discussions of the principles of scientific method used in psychological investigations. First semester. Laboratory fee, \$2.00. Class, *MF*, 9; laboratory *W*, 1:15-4:10.

152. Personality.

MR. F.

Physical basis; types, and methods of measurement; social aspects and relations. Second semester. *TThS*, 10.

154. Social Psychology.

MR. PE

Mental processes underlying social order and progress; collective forms of behavior; application of experimental methods to social relations. Second semester. *MWF*, 9.

156. The Nature and Measurement of Intelligence.

MR.

A study of the nature of intelligence and the principles and methods of intelligence testing with special emphasis upon the method of giving the Stanford Revision of the Binet Tests. Second semester. *TThS*, 9. (*Omitted in 1940-1941*).

191. Advanced Psychology.

MR. M

Reading course. Permission of instructor required for registration. This course consists of assigned reading and the preparation and oral presentation of essays. The subjects included depend in part upon the interest of the student. The central theme in 1940-41 will be a critical comparison of the principal points of view, systems, and methods of contemporary psychology. Second semester. Arranged.

192. Advanced Psychology.

MR. L

Reading course, similar to 191. Topics of objective and experimental mental psychology and mental measurement. Second semester. Arranged.

GRADUATE WORK in various aspects and applications of psychology is offered under the auspices of Claremont Colleges.

Public Address

52a-52b. Fundamentals of Public Address.

MR. D

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment of specific audiences. 2 units. *MW* 9.

53a-53b. Principles of Interpretative Reading.

MR. D

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary types. 2 units. *TTh*, 10.

55b. Argumentation and Debate. MR. SCOTT
 study of the principles of argumentation and practical application of these principles in class debates. Debate subjects for the year analyzed and debated. 2 units. *MW, 10.*

131b. Advanced Public Address. MR. SCOTT
 training in the construction and delivery of formal addresses. Prerequisite: Public Address 52 or equivalent. 2 units. *TTh, 9.*

134b. Reading of Dramatic Literature. MR. SCOTT
 intensive study of a limited number of standard plays, with emphasis on dramatic values in character and plot. Interpretative reading of these plays in class. Recital programs before the class. Prerequisite: Public Address 53 or equivalent. 2 units. *MW, 11.*

Religion

Great Personalities in Religious History. MR. MELAND
 biographical study of the founders of world religions and other significant personalities in religious cultures. Acquaintance with the classics in sacred literature, associated with these religious leaders, will also be sought. First semester. 2 units. *TTh, 10.*

Great Personalities in Christian History. MR. MELAND
 biographical study of men and movements in western Christianity from the fifth century to modern times. Personalities studied include artists, musicians, scientists, philosophers, poets, and men of letters as well as churchmen and theologians who have contributed to the growth of Christian civilization in Europe and America. Acquaintance with the Christian Classics in literature, art, and music will also be emphasized. Second semester. 2 units. *TTh, 10.*

Introduction to Philosophy of Religion. MR. MELAND
 course for the general student, dealing with the modern man's approach to religious thinking. An interpretation of the modern mind and the heritage peculiar to modern man, as compared with that of medieval, ancient, and primitive men, is followed by consideration of present problems affecting the modern man's outlook in religion. Such issues as the relation between science and religion, art and religion, poetry and religion, and the present conflict between religion and nationalism are examined. First semester. 2 or 3 units. *TTh, 9* with third hour to be arranged.

102. Applied Psychology of Religion.

MR. MEL

A course designed to enable the student to work toward a practical philosophy of living in terms consonant with the insights of modern psychology and mental hygiene and with the viewpoint of modern culture. The bearing of such matters as "the fitness of environment," the relation between physical well-being and the health of emotions, social maturation, and other aspects of the growing-up process, as well as the life of the mind in its reflective, imaginative, and appreciative outreach upon the filament of life is considered. Second semester. 2 or 3 hours. *TTh*, 9 with a third hour to be arranged.

103a, 103b. Religion Through the Ages.

MR. MEL

An historical and comparative study of the religions of the world. During the first semester, attention is given to the beginnings of religion among ancient peoples, the rise of religious cultures in India, China, Japan, and the Mediterranean world, emphasizing the findings of the social sciences, bearing upon the history of religions. In the second semester, study is made of contemporary developments in world religions from the opening of the modern era to the present day. *MWF*, 10. (Omitted 1940-1941).

151a, 151b. American Philosophies of Religion.

MR. MEL

A study of contemporary types of religious thought in America. Modern American thinkers, whose philosophies are examined include: James, Royce, Santayana, Hocking, Whitehead, and Wieman. Prerequisite: Religion 101 or 102, or such previous work in philosophy as will provide acquaintance with the problems in philosophy of religion. *MWF*, 10.

Romance Languages and Literatures

FRENCH

1a-1b. Elementary.

MRS. BISSIRI, MR. CROW

MISS WA

Essentials of grammar and pronunciation; readings from modern texts; writing from dictation; practice in speaking. Sections at each period. *TThS*, 10, *MWF*, 11.

51a-51b. Intermediate.

MRS. BISSIRI, MR. CROW

A review of grammar with the translation of moderately difficult English into French; conversation. Extensive reading of modern French texts representing as many literary forms as possible. A part of this reading is done as outside assignments; French history, geography, culture, etc., are stressed in class discussions far as time allows. *MWF*, 9, 11.

a, 103b. Literature of the Nineteenth Century.

MRS. BISSIRI

Study of the outstanding dramatists, novelists and poets from the romantic period to the end of the century, with stress upon the theater and poets. *MWF, 10.*

a-111b. Composition and Conversation.

MRS. BISSIRI

Extensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. *TThS, 9.*

a-153b. Literature of the Seventeenth Century.

MRS. BISSIRI

In the first semester, introductory lectures on the historical background and the precursors of the great plays of Corneille and Racine; followed in the second semester by a detailed study of Molière and a consideration of certain writings of other outstanding authors. *MWF, 2:15.*

Literature of the Eighteenth Century.

Critical study of the French philosophers of the eighteenth century with especial attention to Montesquieu, Voltaire and J. J. Rousseau. Collateral readings and reports. (*Omitted in 1940-41.*)

Certain advanced courses in French given at Scripps College are open to qualified Pomona students.

ITALIAN

51b. Elementary.

MR. CROWELL

Rapid survey of the grammar with special emphasis on the pronunciation. Extensive reading of modern prose. Open only to students who have a thorough grounding in French, Spanish, or Latin. *MWF, 10.*

In the Romance field the graduate seminars offered under the Claremont Colleges plan center on the following periods of the literature:

- French: 16th Century, 19th Century, Contemporary Period.
- Spanish: From Beginnings to Golden Age, Golden Age, 19th Century, Contemporary Period.
- Spanish American.

SPANISH

11a-11b. Elementary.

MISS HUSSEY

Essentials of grammar and pronunciation; readings from modern texts; writing from dictation; practice in speaking. *MWF, 11.*

71a-71b. Intermediate. Grammar Review and Modern Readings.

MISS HUSSEY

A review of grammar with the translation of moderately difficult English into Spanish; conversation. Extensive reading of modern Spanish texts chosen to represent as many literary forms as possible; a part of this reading is done as outside assignments. Spanish history, geography, culture, etc., are stressed in class discussions as far as time allows. Prerequisite: Spanish 11 or equivalent. *MWF, 10.*

113. The Theater of the Nineteenth Century.

MISS HUSSEY

Study of the works of such dramatists as Moratín, Martínez de la Rosa, Duque de Rivas, Gutiérrez, Hartzenbusch, López Ayala, Bretón de los Herreros, Tamayo y Baus, Echegaray, and others. First semester. *TThS, 10.*

114. The Novel of the Nineteenth Century.

MISS HUSSEY

Study of certain of the works of Fernán Caballero, Pedro Alarcón, Valera, Pereda, Galdós, Pardo-Bazán, Valdés, and Blasco Ibañez. Second semester. *TThS, 10.*

115a, 115b. Spanish Composition and Conversation.

MISS HUSSEY

Intensive drill in written and oral expression; free composition; dictation; conversation, on assigned topics or extempore, with especial stress on the acquisition of a correct pronunciation and intonation. This course is conducted, for the most part, in Spanish. *TThS, 9.*

173a, 173b. Literature of the "Siglo de Oro."

MR. CROWLEY

In the first semester, the life and works of Cervantes, including an intensive study of the "Quijote"; followed, in the second semester, by a consideration of the dramatic writings of Lope de Vega, Tirso, Ruiz de Alarcón, and Calderón. Assigned outside readings and reports. *MWF, 8.*

175a, 175b. Spanish American Literature.

MR. CROWLEY

Class study of some of the outstanding literary production of Hispanic America. Extensive outside readings; individual reports. Geography, history and culture are stressed in introductory lectures and class discussions. (*Omitted in 1940-1941.*)

7a, 177b. Survey of Spanish Literature.

MR. CROWELL

The development of Spanish literature from the earliest times to the present. This course consists primarily of extensive readings done by the individual student in important phases of Spanish language and literature not touched upon in other departmental offerings. Occasional lectures will be given by the instructor; oral or written reports on outside readings are presented by the students. Class meetings at least once a week. Arranged.

Sociology

Social Origins.

MR. BABER

A study of the earliest known development of man and human culture. The biological emergence of man from subhuman forms is traced briefly. The growth of culture from Stone Age to Iron Age, and the rise of such culture patterns and institutions as language, the family, private property, religion, the state, music, art, etc. First semester. *MWF, 10.*

Comparative Cultures.

MR. BABER

Three cultures are selected from each of three levels: primitive, ancient civilization, modern civilization. These are analyzed and compared as to basic customs, traditions, and philosophies of life, involving folklore and proverbs, religious beliefs, economic activities and organization, political or group control, marriage and family forms, types of recreation, and extent of cultural self-sufficiency. Prerequisite: 1. Second semester. *MWF, 10.*

Elements of Sociology.

MR. KIRK

An introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop a critical, comparative, and constructive attitude toward contemporary social problems. Application of sociological principles to modern social problems, such as race prejudice and movements of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure time activities. Second semester only. *TThS, 9, 10.*

1-101b. Man and Culture: Their Origins, Nature

Development and Interrelations.

MR. OPLER

An introductory course in anthropology covering the following subject headings: The history of anthropology and its methods, the physical emergence of man, the biological differentiation of man (race, race differences, racial dispersions), primitive linguistics and the psychology of language, the growth of technology and material culture, and the development of legal, political and religious institutions. *MWF, 11.*

107. Criminology.

MR.

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. Second semester. *MWF, 10.*

108. Labor Problems.

MR.

A survey of labor problems and causes of industrial unrest. Collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial problems of reconstruction. *MWF, 10. (Omitted in 1940-1941)*

109. Marriage and the Family.

MR. B

Changes in the marital status of the American population. Factors involved in mate selection and the complex husband and parent-child relationships. Difficulties of adjusting marriage and family patterns to our rapidly changing culture. Analysis of the factors promoting family disorganization, and as measures seeking to conserve the socially valuable functions of family life. No previous work in Sociology required. Open to Juniors and Seniors only. First semester. Two sections. *MWF, 8, 1:15.*

110. Race Relations.

MR. B

Biological and sociological concepts of race. The migration and distribution of races. The role of "race consciousness" in internal strife, and the development of group consciousness and status. The experience of several nations with racial minorities (amalgamation vs. accommodation) with the emphasis on American experience with Negroes, Mexicans, and Orientals. Second semester. *MWF, 1:15.*

112. Social Control.

MR. B

An analysis of human nature and its social origin. The growth of our social heritage through social change, with its rapid acceleration in modern times making social control increasingly important. How society develops and maintains social patterns, the control of conduct through law, public opinion, education, religion, rewards, and similar agencies, and the degree to which these attempts are successful. Second semester. *MWF, 8.*

113. Theories of Social Reform.

MR.

A study of various proposals for social reconstruction including The Utopians, Marxian Socialism, Fabian Socialism, Syndicalism, and Anarchy. An investigation of contemporary experiments in social reorganization: The British Labor Movement, The Fascist Regime, Soviet Russia and the Cooperative Movement in Europe, India, and America. Second semester. *MWF, 9.*

4. Contemporary Sociological Thought.

MR. KIRK

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation. A survey of the leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Second semester. *MWF, 9.* (*Omitted in 1940-1941.*)

1, 192. Advanced Studies in Sociology.

MR. KIRK and

MR. BABER

Research in social problems and agencies. Various techniques which have been developed in sociological research will be used in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the definite limitations of the several tools of research. Open only to Seniors. Arranged.

SUMMARY OF STUDENTS

1939 - 1940

Compiled March 1, 1940

Seniors	-	-	-	-	-	-	-	-	-	-	-	197
Juniors	-	-	-	-	-	-	-	-	-	-	-	211
Freshmen	-	-	-	-	-	-	-	-	-	-	-	195
Boysmen	-	-	-	-	-	-	-	-	-	-	-	238
Girls	-	-	-	-	-	-	-	-	-	-	-	12
Total Enrolment	-	-	-	-	-	-	-	-	-	-	-	853

In addition to the above, 2 Claremont Colleges students and Scripps College students have taken some work in Pomona College during 1939-1940.

KEY TO BUILDINGS

PERMANENT



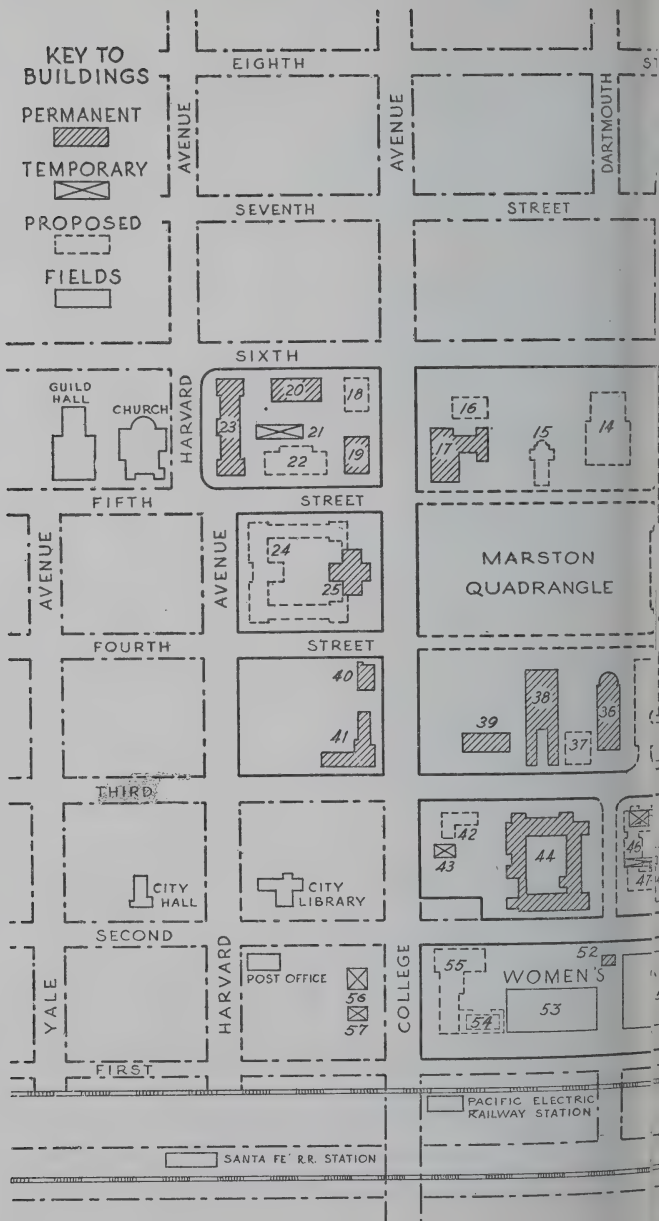
TEMPORARY



PROPOSED



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5. Eli P. Clark Hall and Frary Hall
8. Tennis Courts
9. Alumni Athletic Fields
10. Training Quarters
11. Swimming Pool
13. Smiley Hall
14. Student Building

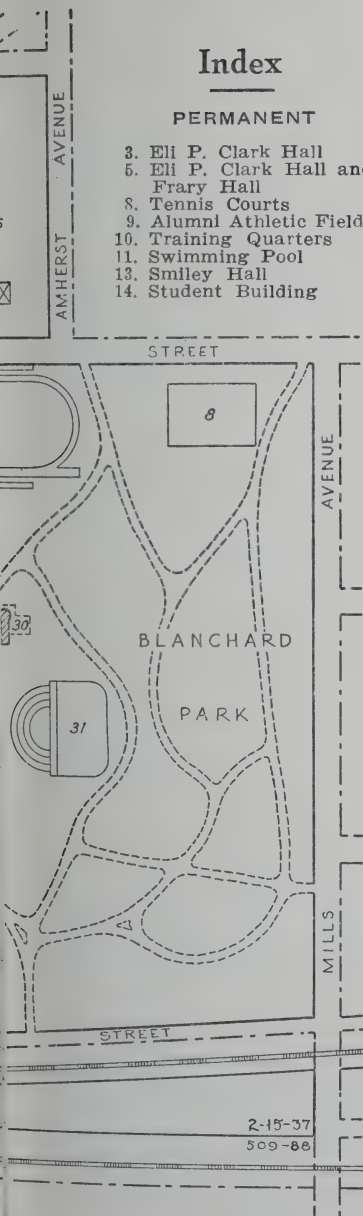
17. Holmes Hall
19. Pearsons Hall
20. Crookshank Hall
23. Mason Hall
25. Library
26. Bridges Auditorium
29. Volley Ball Court
- 29-A. Baseball Field
30. Brackett Observatory
31. Open-Air Theater
32. Hockey Field
33. Tennis Courts
35. Tennis Courts
36. Sumner Hall
38. Bridges Hall
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53. Women's Playing Field
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TEMPORARY

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27. Little Gymnasium
28. Big Gymnasium
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45. Kenyon House
47. Garages
50. Brackett House
56. Haddon Hall
57. Denison House

PROPOSED

1. Dean's House
2. Men's Dormitory
4. Browsing Room and Lounge
12. Men's Gymnasium
15. Chapel
16. Dramatic Studio
18. Botany Building
22. Physics Building
24. Addition to Library
30. Brackett Observatory
34. Museum of Pomoniana
37. Music Annex
42. Residence for Dean of Women
46. Women's Dormitory
48. Women's Dining Hall
54. Pool
55. Women's Gymnasium



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1940

1941

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Pomona College Bulletin

THE LIBRARY OF THE
MAY 15 1941
UNIVERSITY OF ILLINOIS



Catalog Number
1941-1942

Claremont, California

HOSPITALITY

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by the institution. Parents and friends are invited to use the facilities of the Inn for long or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses in part the friendliness of the colleges and the community.

CORRESPONDENCE

Correspondence should be addressed as follows, the post office address being in every case Pomona College, Claremont, California:

Requests for catalogs, bulletins and general information, inquiries regarding Public Events and Lectures	- - -	SECRETARY OF THE FACULTY
Admission of Students	- - -	DIRECTOR OF ADMISSIONS
Business Affairs	- - - - -	CONTROLLER
Student Affairs	- - - - -	DEAN OF STUDENTS and DEAN OF WOMEN
Alumni Affairs	-	DIRECTOR OF ALUMNI RELATIONS

POMONA COLLEGE BULLETIN

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BY POMONA COLLEGE

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APRIL, 1941

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Fifty-fourth Year

Pomona College Bulletin

CATALOG NUMBER

REGISTER OF OFFICERS AND
TEACHERS FOR THE YEAR
1941 - 1942, REQUIREMENTS
FOR ADMISSION, DESCRIPTION
OF COURSES AND GENERAL
INFORMATION

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MAY 15 1941
UNIVERSITY OF ILLINOIS

April, 1941

CLAREMONT · CALIFORNIA
Published by the College

COLLEGE CALENDAR

1941

September	12, Friday	Residence halls open for new students only, 12 noon
September	12-16	Program for new students
September	13, Saturday	Psychological examinations for all new students 8:00-4:00. Attendance required
September	13 and 14 Saturday and Sunday	Separate conferences for all new men and women students.
September	15, Monday	Conference Day for new students
September	16, Tuesday	Registration day for new students Residence halls open for returning students
September	17, Wednesday	Registration day for returning students Special freshman classes begin
September	18, Thursday	First semester classes begin 8 a. Opening Convocation, 11 a.m.
October	2, Thursday	Last day for changing courses
October	16, Thursday	Founders Day, Flame Ceremony 11 a.m.
October	27, Monday	First low grade report due
November	19, Wednesday	Thanksgiving Recess begins, 6 p.m.
November	24, Monday	Thanksgiving Recess ends, 8 a.
December	1, Monday	Mid - semester low grade report due
December	19, Friday	Christmas Recess begins, 6 p.m.

COLLEGE CALENDAR

1942

January	5, <i>Monday</i>	Christmas Recess ends, 8 a.m.
January	20, <i>Tuesday</i>	Examinations begin
January	30, <i>Friday</i>	First semester ends
February	2, <i>Monday</i>	Registration Day
February	3, <i>Tuesday</i>	Second semester classes begin, 8 a.m.
February	5, <i>Thursday</i>	Opening Convocation of Second Semester, 11 a.m.
February	17, <i>Tuesday</i>	Last day for changing courses
February	22, <i>Sunday</i>	George Washington Convocation
March	7, <i>Saturday</i>	Matriculation and Parents' Day Convocation, 11 a.m.
March	20, <i>Friday</i>	Spring Recess begins, 6 p.m.
March	30, <i>Monday</i>	Spring Recess ends, 8 a.m.
April	5, <i>Sunday</i>	Easter
April	6, <i>Monday</i>	Mid - semester low grade report due
May	27, <i>Wednesday</i>	Examinations begin
May	29, <i>Friday</i>	Memorial Convocation, 4:30 p.m.
June	6, <i>Saturday</i>	Alumni Day
June	7, <i>Sunday</i>	Baccalaureate Day
June	8, <i>Monday</i>	Commencement

SUMMER VACATION

September 11-15,	Program for new students
September 14, 15, 16	Registration days

BOARD OF TRUSTEES

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 Los Angeles
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 La Canada
 Los Angeles
 Pomona
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 San Dimas
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 Los Angeles
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 W. R. H. WELDON
 BUTLER A. WOODFORD

Highland
 San Marcos
 Bel-Aire
 Canoga Park
 Pasadena
 San Marcos
 Claremont

The President of Claremont Colleges, *ex-officio*
 The President of the Alumni Association, *ex-officio*

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 FRANK H. HARWOOD
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 RUDOLPH J. WIG
 ERNEST E. JONES

Honorary President
President
Vice-President
Vice-President
Secretary and Treasurer

OFFICERS OF ADMINISTRATION

1941 - 1942

CHARLES K. EDMUNDS, <i>President (till Oct. 1)</i>	209 Sumner Hall
WILSON LYON, <i>President-Elect</i>	209 Sumner Hall
CLIP A. MUNZ, <i>Dean of the Faculty</i>	209 Sumner Hall
LIAM E. NICHOLL, <i>Dean of Students</i>	101 Sumner Hall
SIE E. GIBSON, <i>Dean of Women</i>	112 Sumner Hall
ORGE S. BURGESS, <i>Secretary of the Faculty</i>	201 Sumner Hall
RGARET MAPLE, <i>Recorder</i>	106 Sumner Hall
WARD H. PATTEE, <i>Director of Admissions</i>	104 Sumner Hall
MER E. ROBBINS, <i>Director of the Library</i>	Library
BERT S. COLTRIN, <i>College Physician</i>	Dispensary
LEN F. HAWLEY, <i>Director of Alumni and Public Relations</i>	203 Sumner Hall
IN W. DAKIN, <i>Controller</i>	Harper Hall
AL P. LOWELL, <i>Superintendent of Plant</i>	Harper Hall
Y C. FRANK, <i>Director of Dormitories</i>	
ILLE GRAMSE, <i>Director of Dining Halls</i>	

FACULTY¹

CHARLES KEYSER EDMUNDS 345 College Ave.
President, 1928. President Emeritus, October 1, 1941.
 B.A., Ph.D., Johns Hopkins University; LL.D., Occidental College; LL.D., University of California.

ELIJAH WILSON LYON
President-Elect. President, October 1, 1941.
 B.A., University of Mississippi; B.A. and B. Litt., University of Oxford; Ph.D., University of Chicago.

EDWIN CLARENCE NORTON 145 W. Seventh St.
Dean of the Faculty and Professor of the Greek Language and Literature on the Edwin Clarence Norton Foundation, 1888. Emeritus.

FRANK PARKHURST BRACKETT 270 E. Third St.
Professor of Astronomy on the Frank Parkhurst Brackett Foundation and Director of the Observatory, 1888. Emeritus.

GEORGE STEDMAN SUMNER 105 College Ave.
Professor of Economics and Sociology, 1897.
Controller, 1922. Emeritus.

MENDAL GARBUTT FRAMPTON 927 Harvard St.
Professor of the English Language, 1904. Emeritus.

WILLIAM POLK RUSSELL 545 Indian Hill Rd.
Professor of Mathematics on the Joseph W. Fiske Foundation, 1905. Emeritus.

GRACE ELLA BERRY 353 W. Eleventh St.
Dean of Women, and Associate Professor of Mathematics, 1905. Emeritus.

MARO BEATH JONES 807 College Ave.
Professor of French Literature, 1911. Emeritus.

RAYMOND CUMMINGS BROOKS 5353 W. 3rd St., Los Angeles
Professor of Religion on the Nancy M. Lyon Foundation, 1905. Emeritus.

BRUCE McCULLEY 210 E. Foothill Blvd.
Professor of English Literature, 1921. Emeritus.

WILLIAM ATWOOD HILTON 1293 Dartmouth St.
Professor of Zoology on the Willard George Halstead Foundation, 1905.
 B.S., Cornell University; Ph.D., Cornell University.

¹Active Faculty arranged in order of appointment to present rank. The date in each case denotes the beginning of original term of service.

BARNARD CAPEN EWER

706 Indian Hill Blvd.

Professor of Psychology, 1916.

B.A., Brown University; M.A., Brown University; Ph.D., Harvard University.

ALPH HAINES LYMAN

357 W. Tenth St.

Professor of Applied Music, Head of Department of Music, 1917.

B.A., Grinnell College. Student in voice with Karleton Hackett, William B. Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Cowper and other American masters and with Vittorino Moratti in Berlin.

WILLIAM EVAN NICHOLL

Eli P. Clark Hall

Dean of Students, 1919.

B.A., Bellevue College; M.A., Columbia University. Graduate Student, Edinburgh University.

OMER ELMER ROBBINS

487 Harrison Ave.

Professor of Classical History and Language, 1915, and Director of the Library.

B.A., M.A., Ph.D., University of Michigan.

WILLIAM KIRK

705 Indian Hill Blvd.

Professor of Sociology on the Henry Snyder Foundation, 1922.

B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

GEORGE SAMUEL BURGESS

1175 College Ave.

Professor of Law and Secretary of the Faculty, 1918.

B.A., University of Michigan; J.D., University of Michigan.

GENE WHITE NIXON

1034 Harvard Ave.

Professor of Physical Education for Men, 1916.

B.A., Monmouth College; M.A., Columbia University. Graduate Student, Illinois and California Universities.

FRANK WESLEY PITMAN

116 E. Twelfth St.

Professor of History on the Warren Finney Day Memorial Foundation, 1924.

Ph.B., Yale University; M.A., Yale University; Ph.D., Yale University.

RAND RAY TILESTON

1129 Dartmouth Ave.

Professor of Physics on the Seeley W. Mudd Foundation, 1925.

B.A., Dartmouth College; M.A., Dartmouth College; D.Sc., Colorado College.

CHARLES TABOR FITTS

4435 N. Live Oak Drive

Professor of Education, 1919.

B.A., Amherst College; M.A., University of California. Graduate Student, Harvard University.

PHILIP ALEXANDER MUNZ

1165 Indian Hill Bl

*Professor of Botany on the Henry Kirke White Bent Foundation
1917. Dean of the Faculty.*

B.A., M.A., University of Denver; Ph.D., Cornell University. Grad
Student, University of Chicago.

KENNETH DUNCAN

1100 Harvard A

Professor of Economics on the Stedman-Sumner Foundation, 1926.

B.A., Wabash College; M.A., University of Wisconsin; Ph.D., Univer
of Michigan.

ALFRED OSWALD WOODFORD

443 W. Tenth

Professor of Geology, 1915.

B.A., Pomona College; Ph.D., University of California.

JESSIE EDITH GIBSON

405 Yale A

Dean of Women on the Martha N. Hathaway Foundation, 1927.

B.A., University of Idaho; M.A., University of Washington. Grad
Student, California and Columbia Universities.

CHARLES JUDSON ROBINSON¹

809 Indian Hill B

Professor of Chemistry on the Carnegie Foundation, 1927.

B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University.

EDWARD TAYLOR

1022 Harvard

Professor of Engineering Mathematics, 1920.

C.E., University of Minnesota; M.A., University of Southern Calif
Graduate Student, University of Oregon.

EDWARD MCCHESENEY SAIT

238 E. Seventh

Professor of Government, 1928.

B.A., Toronto University; M.A., Toronto University; Ph.D., Colu
University.

CHESTER GEORGE JAEGER

1045 Yale

Professor of Mathematics, 1931.

B.A., B.S., M.A., Ph.D., University of Missouri.

ROBERT SIDNEY ELLIS

917 Harvard

Professor of Psychology, 1931.

B.A., University of Arkansas; Ph.D., Clark University.

¹Absent on leave, second semester, 1941-42.

- ALTER ALFRED ALLEN 175 East 12th St.
Professor of Musical Theory and Appreciation, 1912.
 B.A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.
- ERETT SAMUEL OLIVE University Club, 8th and Amherst
Professor of Piano, 1923.
 B.Mus., Simpson College. Graduate Student, Simpson College. Pupil of Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.
- WARD HUNT PATTEE 188 West 7th St.
Director of Admissions, 1932.
 B.A., Pomona College; M.A., Stanford University; Graduate Student, Columbia University.
- MES WHITE CROWELL 465 Harrison Ave.
Professor of Romance Languages, 1929.
 B.S., Haverford College; M.A., Haverford College; Ph.D., Cornell University.
- ZABETH KELLEY¹ Marylind Ave.
Professor of Physical Education for Women, 1928.
 B.A., University of Wisconsin; M.A., New York University; Ph.D., Stanford University.
- Y ERWIN BABER 911 Indian Hill Blvd.
Professor of Sociology, 1939.
 B.A., Campbell College; M.A., Ph.D., University of Wisconsin.
- MOND C. BAIRD
Professor of Military Science and Tactics, 1941.
 B., Simpson College; Graduate Command and General Staff School; Colonel, U. S. Army.
- EN SHOU-YI
Professor of Chinese Culture, 1941.
 A., Lingnan University; Ph.D., University of Chicago.
- OTT CURTIS LINCOLN 472 W. Tenth St.
Professor of English, 1924.
 A., Colby College; M.A., State College of Washington and Harvard University.
 nt on leave, 1941-42.

BENJAMIN DAVID SCOTT

828 College Av

Professor of Public Address, 1923.

B.A., University of Southern California; S.T.B. Boston University; Ph.D. Boston University. Graduate work, Boston, Brown and Harvard Universities.

WALTER TICKNOR WHITNEY

445 W. Tenth St

Associate Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.

B.S., M.S., Pomona College; Ph.D., University of Chicago.

BERNARD EUGENE MELAND

275 West 10th St

Associate Professor of Religion, 1936.

B.A., Park College; Ph.D., University of Chicago. Graduate Student, McCormick Theological Seminary, Marburg University.

THOMAS MONTAGUE BEGGS

424 W. Tenth St

Associate Professor of Art, 1926.

B.F.A., Yale University. Graduate, Pratt Institute; Diplôme Ecole des Beaux Arts, Fontainebleau; Graduate study, Harvard University.

CARL BAUMANN

459 West 11th St

Associate Professor of German, 1931.

Ph.D., University of Basel.

FRANCIS RAYMOND IREDELL

1060 College Ave

Associate Professor of Philosophy, 1925.

B.A., Pomona College; M.A., Ph.D., Harvard University.

HAROLD DAVIS¹

612 West 10th St

Associate Professor of English, 1927.

B.A., Stanford University; B.A. and B.Litt., Oxford University.

ERNEST ALBERT STRATHMANN

160 West 11th St

Associate Professor of English, 1932.

B.A., M.A., Ph.D., Johns Hopkins University

NORMAN THEODORE NESS

880 College Ave

Associate Professor of Economics, 1928.

B.A., Carleton College; M.A., University of California; Ph.D., Harvard University.

ROBERT LOBINGIER STREHLE

1019 Dartmouth Ave

Associate Professor of Physical Education for Men, 1923.

B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, University of Southern California, University of California, Stanford University.

¹Absent on leave, second semester, 1941-42.

ELEN MARBURG

139½ East 7th St.

Associate Professor of Romance Languages, 1940.

B.A., University of London; Ph.D., Stanford University.

MARGARET HUSSON

Maryland Ave.

Associate Professor of Spanish, 1925.

B.A., University of Kansas; M.A., Columbia University. Graduate study, centro de Estudios Históricos, Madrid.

OLVIN HEATH

750 Indian Hill

Assistant Professor of Physical Education for Men, 1922.

B.A., Pomona College; M.A., Stanford University.

MILIE ELIZABETH WAGNER

646 Indian Hill Blvd.

Assistant Professor of German, 1928.

B.A., Smith College; M.A., Pennsylvania State College. Doctorat de l'Université, mention Lettres, Toulouse.

MARION JEANETTE EWING

487 West 6th St.

Assistant Librarian, 1912.

B.A., Olivet College; B.S., Simmons College; M.A., Boston University.

MURTIS HAUPT

433 Baughman

Assistant Professor of Physics, 1930.

B.A., Colorado College; M.A., University of California. Ph.D., University of California.

ANNETH G. FISKE

905 Harvard Ave.

Assistant Professor of Violin, 1936.

B.Mus., M.Mus., American Conservatory of Music. Pupil of Leon Sametini, Jacques Gordon, Otokar Sevcik.

IRIN HOWES GLEASON

512 Baughman Ave.

Assistant Professor of History, 1939.

B.A., Ph.D., Harvard University; B.Litt., Oxford University.

CHARLES BURTON FAHS

Assistant Professor of Oriental Affairs, 1936.

B.S., M.A., Ph.D., Northwestern University; Graduate Student, University of Berlin. Fellow of General Education Board in Paris and Japan.

WILLIAM G. BLANCHARD

1495 Via Zurita

Assistant Professor of Music, 1936.

B.Mus., DePauw University; M.Mus., University of Michigan.

CYRIL JURECKA

163 W. 11th St

Assistant Professor of Art, 1932.

Graduate, Imperial and Royal College of Sculpture, Horice, Bohemia.

ESTHER GOSS BRISTOL

1020 Berkeley

Assistant Professor of Physical Education for Women, 1935.

B.A., Pomona College; M.A., Columbia University.

ELIZABETH CAWTHORNE

1265 Indian Hill Blv

Assistant Professor of Physical Education for Women, 1935.

B.A., M.A., University of California.

JOHN HASKELL KEMBLE

Eli P. Clark H

Assistant Professor of History, 1936.

B.A., Stanford University; M.A., Ph.D., University of California.

DARYL DAYTON

519 Yale Av

Assistant Professor of Music, 1938.

B. Mus., Oberlin College; Graduate study in Berlin and New York.

WILLIAM THOMAS JONES

University Ch

Assistant Professor of Philosophy, 1938.

B.A., Swarthmore College; B. Litt., Oxford University; Ph.D., Princeton University.

EARL JAY MERRITT

Eli P. Clark H

Social Director of Men's Campus, Freshman Adviser, and Instructor of Physical Education, 1925.

B.A., Pomona College.

MARY C. LOVE

466 W. Sixth

Head of Library Loan Department, 1929.

B.A., M.A., Stanford University.

VIRGINIA PRINCEHOUSE ALLEN

175 East 12th

Instructor in Dramatics, 1930.

B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.

HUGH J. HAMILTON

451 West 7th

Instructor in Mathematics, 1936.

B.A., University of California at Los Angeles; M.A., Ph.D., Brown University.

GEORGE N. TYSON

329 West 7th St.

Instructor in Chemistry, 1938.

B.A., Pomona College; M.S., University of Southern California.

ERMAN ELLIOTT

337 Harvard Ave.

Instructor in Chemistry, 1938.

B.A., M.A., Oberlin College; Ph.D., California Institute of Technology.

ERMAN PHILBRICK¹*Instructor in English, 1938.*

B.A., Pomona College; Graduate Student, Yale University and Pasadena Community Playhouse.

ERRAY DELMAR KIRKWOOD

University Club

Instructor in Government, 1939.

B.A., Pomona College and Oxford University; M.A., Fletcher School of Law and Diplomacy, and Harvard University.

EPH WARNER ANGELL

1145 Harvard Ave.

Instructor in English, 1939.

B.A., College of Wooster; M.A., University of Oregon; Graduate Student, Yale University.

EISE E. BIRD

336 West 7th St.

Instructor in Physical Education for Women, 1939.

B.A., University of California.

ARVIN SHIRLEY SNIDER

1247 College Ave.

Instructor in Music, 1939.

B.A., Pomona College; M.A., Eastman School of Music.

LIS E. PEQUEGNAT

433 Harrison Ave.

Instructor in Biology, 1940.

B.A., University of California; Graduate Student, University of California at Los Angeles.

GARET MAPLE

320 West 10th St.

Recorder, 1940.

B.A., Pomona College.

OLD B. STEWART

University Club

Instructor in Military Science and Tactics, 1940.

B.A., Pomona College; 2nd Lieutenant, Infantry Reserve, U. S. Army.

on leave, 1941-42.

FREDERICK LUDWIG MULHAUSER, JR.

Instructor in English, 1941.

B.A., College of Wooster; M.A., Ph.D., Yale University.

CHARLES SHIVELEY HOLMES

Instructor in English, 1941.

B.A., Oberlin College; Graduate Student, Princeton University.

WILLIAM AVERY CASS

Instructor in Psychology, 1941.

B.A., Pomona College; Graduate Student, University of Oregon.

RICHARD FREEMAN POST

Instructor in Physics, 1941.

B.A., Pomona College.

MAY C. FRANK¹

Instructor in Chemistry.

B.S., Columbia University; M.S., Iowa State College.

VISITING INSTRUCTORS IN MUSIC

AXEL SIMONSEN, *Violoncello*

GEORGE PACHECO, *Trumpet*

HARVEY ZORN, *Oboe and Bassoon*

¹Second semester, 1941-42.

FACULTY COMMITTEES*

1941 - 1942

ADMINISTRATION—President, Dean of the Faculty, Secretary of Faculty, Dean of Students, Dean of Women, Tileston, Iredell, Pitman, Hilton, Ness.

MISSION—Nicholl, Gibson, Pattee, Ellis, Taylor, Maple.

ATHLETIC COUNCIL—Nixon, Nicholl, Woodford, three student representatives, and two Alumni representatives.

CLASSIFICATION—Nicholl, Whitney, Pattee, Maple, Taylor.

COLLEGE LIFE—Nicholl, Gibson, Jaeger, Merritt, Husson, Tyson, President Associated Students, and President Associated Women Students consultant members on call.

COURSES OF STUDY—Munz, Burgess, Fitts, Baumann, Strathmann, Gleason, Dayton.

ENGLISH—Scott, Hamilton, Wagner, Mulhauser.

HEALTH—Nicholl, Gibson, Nixon, Bristol, A.W.S. and A.M.S. Presidents consulting members on call.

HONORS—Robbins, Munz, Kemble, W. T. Jones.

LIBRARY—Baumann, Burgess, Crowell, Robbins, Ewing, Hamilton, Pitman, Duncan, Angell.

PERSONNEL—Gibson, Fitts, Nicholl, Pattee, Merritt, Maple, Ellis, Husson, Jaeger.

PUBLIC EVENTS—Nicholl, Burgess, Lyman.

RELIGIOUS ACTIVITIES—Meland, Nicholl, Scott, Lyman, W. T. Jones, and two student representatives.

STUDIOSHIPS—Iredell, Nicholl, Gibson, Tileston, Kemble, Marburg.

STUDENT AID—Nicholl, Gibson, Pattee, Merritt, Baber.

First person named is chairman, second named is vice-chairman.

GENERAL INFORMATION

EARLY DAYS

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type. Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California.

ORIGINAL TRUSTEES

Henry Kirke White Bent	Pasadena
Nathan W. Blanchard	Santa Paula
Anson Brunson	Los Angeles
Elwood Cooper	Santa Barbara
James T. Ford	San Bernardino
James H. Harwood	San Diego
David D. Hill	Pasadena
Theodore C. Hunt	Riverside
George W. Marston	San Diego
John K. McLean	Oakland
Henry A. Palmer	Oakland
Seth Richards	Boston, Mass.
Charles B. Sheldon	Pomona
Charles B. Sumner	Pomona
Andrew J. Wells	Long Beach

Of this group, Mr. George W. Marston is still a member of the Board. He served as its President for twenty-seven years, and is now Honorary President.

The College was incorporated October 14, 1887. The work of instruction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel at Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the College. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrolment has been held at approximately 750 divided equally between men and women and among the four classes.

A NEW DEPARTURE

The imperative demand for expansion led to the adoption under the inspiring leadership of President James A. Blaisdell, of the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps, whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

Claremont Colleges, with its own trustees known as "The Board of Fellows," some of whom are also trustees of Pomona or Scripps, constitutes a central group, focusing a mutual effort, to return to each member of that group a stimulating and complementing influence. Through the bequest of the late Seeley Mudd, first chairman of its Board of Fellows, and erstwhile a trustee of Pomona College, Claremont Colleges received a fund of one million dollars for the establishment of its work.

These three institutions, Pomona, Scripps and Claremont, are independent, but cooperate in maintaining certain mutual activities and facilities. Pomona and Scripps exchange upper division classroom privileges, thus enlarging the opportunity of the more advanced students for a choice of instructors and subject matter. The Graduate School, the central library, the summer session, and a part of the sponsoring of research work are carried on as common enterprises of the three institutions under the administration of Claremont Colleges. The buildings and facilities of Claremont Colleges and the laboratories of Pomona College are for the use of all.

Claremont Colleges undertakes also in behalf of the group the administration of the health service, which includes the full service of a physician and the operation of a thoroughly up-to-date

infirmary, the responsibility for an auditorium seating 2600 and for the music and lecture courses presented in it each year, the development of a central heating plant, the purchasing and cataloging of books for all three libraries, and the conduct of a common business office, each institution sharing proportionately the cost of these common services. An "Intercollegiate Council" serves as a co-ordinating agency for matters of mutual concern.

POMONA'S IDEAL

A vital feature of the Claremont plan is the enhancement of scholarly life among undergraduates. Pomona represents the effort to maintain in an exceptionally favorable environment a small independent residence college where the inestimable advantages of intimacy are secured, but where the advantages of modern facilities and intense competition are also secured by its association with these other colleges situated in close proximity to it and where the selective process assures, as nearly as possible, a company of students who will really profit by college experience.

From the very beginning Pomona College has maintained a reputation for interest in thorough scholarship rather than in large numbers. Membership in the institution itself is regarded as a scholastic honor. Since September 1924 Pomona has maintained an honors type of instruction which gives special consideration to students of recognized ability for independent study. In a word, Pomona College, in the midst of a very rapidly developing region of Southern California, is endeavoring to maintain the values of a broad cultural preparation for life.

It is the purpose of Pomona College to do a distinctly higher grade of work, thus preparing its graduates for special achievement in whatever later callings they may choose. While Pomona College emphasizes the value of a broad general training as preliminary to the highest achievement in any professional field, it offers such a variety of courses that many students readily find the desired combination which constitutes a definite and adequate preparation for later professional training in a special field such as medicine, law, engineering, scientific research, religion or social service, teaching or other fields.

SOCIAL TRAINING AN ESSENTIAL PART OF EDUCATION

In seeking to achieve this purpose Pomona is making use of existing conditions, dormitories, dining halls, social intercourse, to the extent and in a way not yet adequately developed in our American colleges generally, as a fundamentally important part of the undertaking.

Dining together in finely appointed college halls induces social intimacies not acquired otherwise. Exchange dinners between the women's campus and the men's campus afford opportunities for social intercourse and entertainment at no extra expense. The fraternities have their special rooms within the dormitories in close association with the rooms assigned to the members of the several fraternities.

Pomona's co-educational character greatly increases the culture of its student body. Working together on social as well as academic problems, men and women students associate in mutual respect and dignity. The graduates of this college testify that these relations add to the genuine wholesomeness and roundedness of the student's life. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it is obligated to promote the consideration of those age-long spiritual aspirations and interpretations which constitute religion. It urges each student to correlate correctly these factors with the discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of education, to seek an interpretation of his own guided by a careful study of those arrived at by others. It thus seeks to develop future leaders of intellectual capacity and altruistic purpose.

While originally Congregational in organization, the College has long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, though nonsectarian.

BUILDINGS AND EQUIPMENT

In addition to the grounds and buildings administered by Claremont Colleges in behalf of both Pomona College and Scripps College, Pomona College itself occupies about one hundred twenty acres, of which sixty are included in Blanchard Park, about ten in Alumni Athletic Field, and fifty in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from a central heating plant operated by Claremont Colleges.

The Mary L. Sumner Hall, named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodelled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Massachusetts, reconstructed in 1916 in conformity with modern plans for buildings and campus, is devoted mainly to chapel, recitation rooms and departmental offices.

The Business Office of Pomona College is maintained in Hall Hall, administered by Claremont Colleges.

The Library, the gift of Mr. Andrew Carnegie, is an imposing structure, well adapted to the purposes for which it was built.

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some thirty students besides the House Master and one or more instructors; two additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George W. Marston in memory of Rev. Lucien H. Frary, a Trustee from 1892 to 1903. Besides the Great Hall which will seat 450, there are three smaller dining rooms for special uses.

Harwood Court, a modern dormitory which includes St. John Hall, accommodates 180 women. Florence Carrier Blaisdell Hall, named in honor of Mrs. James A. Blaisdell, houses 80 women. The College also maintains several houses with similar accommodations. All women residents are served by the Aurelia Smith Harwood Memorial Dining Hall.

the Student Union, provided through the gifts of many persons, supplemented by funds from the Associated Students and the bequest of the late Florence Riley, houses student offices, printing publications, the graduate manager, and the Cooperative Store. It provides a social center for all students and an attractive and adequate ballroom so that off-campus dances are not necessary.

Rembrandt Hall is devoted to the Department of Art. The upper floor contains studio and work rooms; the lower floor two auditoriums of moderate size for exhibits and lectures.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges of San Diego, offers excellent facilities for the study of music.

The Mabel Shaw Bridges Auditorium, under the auspices of Pomona Colleges, has a seating capacity of 2600 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural amphitheater of Blanchard Park, seats over 4000.

The Gymnasium, comprising two structures, affords equipment for indoor physical training supplementing the various outdoor sports fields for men and for women.

The Memorial Training Quarters stands as a remembrance of Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of these men, Sheldon W. '17, supplemented by those of alumni, students and friends. Beside the Training Quarters is a modern standard size swimming pool for men.

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, contains the laboratories and lecture rooms of the departments of physics and mathematics.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn P. Brackett, '01, serves the Department of Astronomy.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Department of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

A replica of the original house in Pomona in which the College first opened in September, 1888, has been erected on the campus recently, through the generosity of an anonymous donor. It contains the historical exhibit set up in recognition of the Fiftieth Anniversary, and will become ultimately a museum of Pomoniana.

The Marine Laboratory, located at Laguna Beach, has nine private rooms for special workers and two general laboratories, well as storerooms, work rooms and aquarium room.

The Pomona College summer camp at Bluff Lake in the Bernardino Mountains consists of five cabins, located on a tract of 120 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great and unspoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in their service.

THE LIBRARY

An adequate library of 98,500 well selected volumes and 98,000 pamphlets is available for student use. Most of the pamphlets are unbound government documents, equivalent to about 9,000 volumes if bound. The library receives subscriptions to 700 periodicals and maintains bound files of approximately 550, many of which are complete. Especially valuable are the periodical holdings in the field of natural science. It is a depository for U. S. Government Documents and the publications of the Carnegie Institution. The library with the exception of the science department collections is housed in the Carnegie Library building constructed in 1908. Its reading rooms accommodate 250 readers. The following special collections are a part of the general library: the Cook-Baker Biological Library and the Paleontology Library in Crookshank Hall; the Astronomical Library in the F. P. Brackett Observatory; the James A. Lyman Memorial Library of Chemistry and the Geology Library in Mason Hall.

the Mathematics and Physics Library in Pearsons Hall. Housed in the main building are the Mason California, the Wagner North Pacific Libraries, and the Viola Minor Westergaard and Carnegie Art Collections.

The library is open to the students and faculty of the Associated Colleges and to the residents of Claremont. Permission to use the library by persons not connected with the colleges must be obtained from the librarian.

An experienced and efficient staff member is on duty to assist students at all hours which the library is open. Most of the books are on open shelves where students may consult them at all times. With the exception of reference books, periodicals, and rare volumes, books may be borrowed for two weeks. Certain books in great demand for class use are placed on reserve, subject to special circulation rules.

In addition to the facilities of Pomona College Library there are also available the libraries of Scripps College and of Claremont Colleges. The Scripps College Library of approximately 500 volumes is housed in the Ella Strong Denison Library. It contains in addition to its general collection the McPherson collection of books about women, and the Stephenson Memorial collection of American History. The library of Claremont College, located in Harper Hall, contains approximately 40,000 volumes, including the Oriental Library and the George Burton Adams Collection of English History.

LECTURE FOUNDATIONS

THE JOSEPH H. JOHNSON FOUNDATION, liberally endowed by Mrs. Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence in Pomona College. The opportunity of intimate contact with distinguished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of the institution from which these educators come.

THE HENRY D. PORTER FOUNDATION, named in honor of the Rev. Henry D. Porter, for many years a missionary in China, reserves to the institution annually, the extended stay of some eminent worker in the field of Christian Missions. The lecturer from this foundation commonly shares in the regular classroom

work related to the history, geography, politics or religion of region from which he has come. This presentation is one of the most stimulating features in the program of the College.

THE CLARK FOUNDATION, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture course of lectures in the general field of religion.

MUSIC

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day, whose public appearance is usually confined to the larger cities, the College operates with Scripps College and Claremont Colleges in the introduction each year of a group of the most distinguished musicians in the field of music. Among the artists recently presented have been: Dorothy Maynor, Artur Rubinstein, Nathan Milstein, Ballet Russe of Monte Carlo, and the Los Angeles Philharmonic Orchestra.

For the concerts thus afforded an annual ticket is furnished every full-time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Symphonic Band, Symphony Orchestra, the Chamber Music Society, the Men's and Women's Glee Clubs and chamber music groups afford opportunity for the study and public performance of the finest in ensemble music.

PUBLIC ASSEMBLIES

It is the practice of the College to give opportunity for the consideration and expression of the common college interests.

On Thursday at 11 a.m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. The attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a.m. a brief devotional Chapel Service is held, attendance at which is voluntary.

Special Vesper Music services are offered on Sunday afternoons from time to time. The Student Forum is held each Sunday evening at 7 p.m. in the Student Union Lounge except for Sunday each month when the College Church convenes in Reges Hall at 7 o'clock and is followed by the Student Forum in the Student Union.

It is hoped that students will associate themselves with the Remont Church or others in neighboring communities, in connection with which many forms of religious activity are maintained.

CAMPUS ORGANIZATIONS

THE ASSOCIATED STUDENTS. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing body composed of class presidents and chairmen of other organizations representing various activities of campus interest.

ASSOCIATED MEN STUDENTS } These organizations consider
ASSOCIATED WOMEN STUDENTS }
 promote the special interests of the men and women respectively.

STUDENT-FACULTY COUNCIL. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for their consideration and action.

CLASS ORGANIZATIONS. Each of the four college classes is organized for the purpose of promoting class social life.

DEPARTMENTAL ORGANIZATIONS. Astronomical Society; El Círculo Español; Le Cercle Français; Mathematics Club; German Club; Women's Athletic Association; Science Club.

PHI BETA KAPPA. The Pomona Chapter of Phi Beta Kappa is Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts and who are distinguished for breadth of culture and excel-

lence of scholarship" are eligible to membership in the Phi Kappa Society.

HONOR SOCIETIES. Alpha Delta Mu,—Journalism Fraternity; Gamma Chapter, Alpha Kappa Delta,—Sociology Fraternity; Ghosts; Mortar Board.

LOCAL SOCIAL FRATERNITIES. Alpha Gamma Sigma; Kappa Delta; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Phi Alpha; Sigma Tau.

MUSICAL ORGANIZATIONS. Men's Glee Club; Women's Glee Club; Honorary Music Club; Symphony Orchestra, Symphony Band, Chamber Music Groups.

RELIGIOUS ORGANIZATIONS. The Religious Council which comprises Student-Faculty committees on religious activities.

MISCELLANEOUS ORGANIZATIONS. Kallimachos,—Library Club; Masquers and Thespians,—Dramatics; Orchesis,—Dancing; Opera Club; Ski Club.

PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published monthly (except July and August). These include: The *Annual Catalog*, The *Report of the President*, The *Register of Alumni*, The *Monthly Letter*.

The *Journal of Entomology and Zoology* is published under the auspices of the Department of Zoology.

STUDENT PUBLICATIONS

The *Student Life* is published three times a week by the student body and is devoted to current affairs.

The *Metate* is published each year by the Associated Students and contains material appropriate to a college annual.

The *Sagehen*, a magazine of humor, is published three times a year.

The *Hand Book*, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College. The climate of Southern California permits abundant outdoor life. Supervision is given to athletics throughout the college year. Every student on entering is given a physical examination under the direction of the College Physician.

cal certificate required of all applicants for admission includes a certificate of recent successful small-pox vaccination, a certificate of a satisfactory tuberculin test, or an x-ray of chest. Any student, while in college, may be required to present each year a follow-up certificate of examination for tuberculosis. Regular work in physical education is prescribed throughout the four years, and courses in Physiology and Hygiene are given.

The College endeavors to safeguard students in the use of its physical facilities, laboratories, athletic fields, and gymnasiums, to this end the departments have established regulations concerning the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk.

ATHLETICS. The direction and financial management of athletics rests with the Director of Athletics, who has associated with him as an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general manager there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed for the alumni into athletic grounds admirably equipped and unexcelled in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, the facilities of the Indian Hill Golf Club are available, and athletic games and field sports are encouraged.

A swimming pool, of the standard size for water polo, and well equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

MEDICAL CARE

The medical advice of the College Physician is ordinarily available free of charge, to all students, subject to certain conditions as to hours and location of residence. Minor ailments are treated at the Physician's office or at the Infirmary, used for cases requiring nursing and certain types of hospital care. All surgical operations and medicines are at the expense of the ill or injured student. Also medical service in chronic or prolonged illness or in case of accident, or an acute illness beyond ordinary first-aid emergency treatment.

The student is entitled to two days each semester at the College Infirmary without charge for room and meals if illness requires hospitalization. For additional days the charge is two dollars a day. *The College, however, reserves the right to discontinue individual medical service at any time, without previous notice.*

The College does not assume responsibility for the complete medical care of all its students, but only in so far as its present facilities will afford. Preventive medicine and campus health functions are stressed in the College medical program.

For curative treatment, students have ready access to the College Health Service and to the consultants among the local physicians of Claremont and Pomona. However, complete service is not financed by the College. The College nurse visits residence halls each morning in order to see those students reported ill.

When specialists, consultants and special nurses are required, such fees will be met by the student. In any illness the student is free to choose his own physician on a private fee basis.

RESIDENCE FOR MEN

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that men not actually living at home will live and dine in college halls.

Residential campus privileges are provided only on the basis of an inclusive yearly charge varying from \$430.00 to \$605.00 according to location of room. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread.

Smiley Hall has both single and double rooms and suites. Three rooms accommodating two students.

On the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for freshmen students. The other halls have both single rooms and suites.

RESIDENCE FOR WOMEN

It is expected that women students will room in the college residence halls and board at the dining rooms in Harwood Court. Freshmen are required to reside in Harwood Court. Students living at home or working for room or board may make special arrangements with the Dean of Women.

residential campus privileges are provided on the basis of an
ative yearly charge of \$525. A limited number of special
ts-in-aid applicable to this charge are available. Informa-
can be obtained from the office of the Dean of Women.
ginning with September 1, 1942, the residential fee for
en will be \$550 for the year.

The residence privilege does not include the use of the rooms during Christmas and Spring vacations, when the halls are closed. The residence halls are open for new students the Friday before opening of the college year and for returning students the day of registration. The residence and boarding privileges end 24 hours after the last examination at the end of the year for all students except seniors and those asked by the college to remain through commencement. The residence and dining halls are closed the day of Commencement.

The college reserves the right to dismiss from a dormitory without debate any student who becomes a disturbing or undesirable tenant.

The fees charged cover only about one-half of the cost of maintaining Pomona College. The money received from students is supplemented by income from permanent funds and by gifts seasonally from year to year.

SPECIAL FEES																
Application Fee - - - - -	\$	3.50														
Fees, required of all accepted candidates - - - - -	-	-	25.00													

A deposit of \$25 on account of first semester bills is required of all accepted candidates for admission, payable within 30 days of acceptance, unless the candidate is participating in the competitive scholarship examinations.

Candidates for scholarships who do not win awards but wish to reserve places in college must deposit \$25 within thirty days of announcement of the awards.

Failure to make this payment results in the removal of the candidate's name from the reserved list both for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who have not paid are placed after those who have paid. Should an accepted candidate who has paid this deposit withdraw by September first, \$15 will be refunded. Candidates on the waiting list for whom places are not provided will have the entire deposit refunded.

REGULAR TUITION, including Artist Course season ticket,
and athletic events ticket per semester \$175.

SPECIAL TUITION, exclusive of above general privileges,
for students carrying less than ten units of work, for
each such unit (see page 68) per semester 17.

Visitor's Fee, required from those visiting a course
of study per course 10
Laboratory Fees \$2 to \$
Laboratory Breakage Deposits \$5 to \$
Fees for Applied Music \$25 to \$
Practice Fees, Applied Music \$1.50 to \$9
Fees for Applied Art \$5 to \$

For exact fee see *Courses of Instruction*

Late Registration Fee (see page 48) \$2 to \$
Special Examination Fee (see page 50) \$1 to \$
Associated Student Dues per semester 7

This charge is made upon all regular students by action of Associated Students. Recognizing the value of the activities supported by this fee, the College requires its payment and reserves the right to approve the budget for which it is spent.

Graduation Fee

Every student expecting to graduate at the end of any given semester must so indicate on his registration card for that semester, and must include the graduation fee with the payment of other fees at the time of such registration. Failure to indicate such expectation or thus to pay the graduation fee will automatically exclude from graduation that semester.

BILLS

All College bills are due each semester in advance and must be paid by the student at the time of registration. Students wishing to arrange for payment by installments should confer with the Controller before entering, preferably in the summer preceding registration. An interest charge of 6% per annum will be made on all unpaid balances. No refunds are made to those leaving before the end of the semester except that in the case of those dying before the middle of the semester because of illness one-half of the tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all but \$25.00 is returned. No refund is made on a room payment unless the room is re-rented to someone not then residing in a college residence hall.

Students are not given honorable dismissal nor graduated whose bills are not paid. Seniors must settle all college bills and Library obligations by four p.m., of the fourth day preceding commencement if they are to receive their diplomas with their seniors.

PRIZES

The following prizes are offered for proficiency in the work of several departments:

ART

THE EUGENE C. CRAMER PRIZES: A first prize of \$15.00 and a second prize of \$10.00 awarded for excellence in drawing and design in work presented for the annual exhibition in May. Given by Mrs. Eugene C. Cramer in memory of her husband, who was an artist.

ASTRONOMY

THE MONCRIEFF ASTRONOMY PRIZE: A prize given to the student in the first year course in Astronomy, taken regularly in class, whose interest in the study and proficiency in the observational work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars given by Miss Flossie C. Moncrieff, '11.

BIOLOGY

THE VAILE PRIZE: A prize of twenty-five dollars to be awarded to an outstanding student in Botany or Zoology was endowed by the late Mr. Charles S. Vaile.

ENGLISH

THE F. S. JENNINGS MEMORIAL PRIZES: Three prizes for men and three prizes for women of fifty, forty and thirty dollars each for excellence in English, are available each semester, to members of the Freshman class taking English A1. In the award

of these prizes attention is given to the interest shown by the student in improving the quality of his written and spoken English.

GENERAL

THE RENA GURLEY ARCHIBALD HIGH SCHOLARSHIP PRIZE: A prize of fifty dollars to be awarded to that member of the graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Andrew W. Archibald, D.D.

ESSAY CONTEST ON HISTORY OF POMONA COLLEGE: Prizes of \$25, \$15 and \$10 are offered by the Alumni Association for the three best essays, submitted by freshmen, on some phase of the early history of Pomona College. Exact topics from which to choose and rules of the contest will be announced about October 1. Announcement of winners will be made at the Marticulation Convocation.

GOVERNMENT

THE THORNE-RIDER INTERNATIONAL RELATIONS PRIZE: A prize of \$50 awarded to a student in the Department of Government taking the course in International Relations, who submits the best essay on a subject approved by the Department. This prize is given annually by Count and Countess Frederic Thorne-Rider.

LATIN

THE MUDGE LATIN PRIZES: Prizes for excellence in Latin. First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

LIBRARY

THE EDA MAY HASKELL LIBRARY PRIZE: A prize of at least fifteen dollars in the form of a purchase order for books offered for the best library submitted by a senior student, not necessarily for the largest or most expensive collection but for the most intelligently selected books in one or more fields of the student's interest.

MATHEMATICS

THE LLEWELLYN BIXBY MATHEMATICS PRIZE: A prize for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15. A prize of ten dollars is given by Mr. Llewellyn Bixby.

MUSIC

THE BARBARA SANFORD ALLEN PRIZE: An annual competition prize of fifty dollars to be awarded to a student in the department of music, above freshman rank. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

THE THORNE-RIDER MUSIC PRIZE: A prize of fifty dollars in applied music, awarded to the student most worthy of recognition, as determined by the faculty of the music department.

is prize is given annually by Count and Countess Frederic Horne-Rider.

PUBLIC SPEAKING

KINNEY DECLAMATION PRIZES: A prize declamation contest, open to the members of the Freshman class, occurs near the middle of the year. First and second prizes of fifteen and ten dollars, respectively, are endowed by Mrs. H. N. Kinney.

DOLE DEBATE PRIZES: A prize debate for Lower Division men is arranged for the close of the second semester. First and second prizes of thirty and twenty dollars, respectively, established by the late Mr. John H. Dole in memory of his brother, William B. Dole, are endowed by Mr. Arthur M. Dole.

KNEELAND ORATORY PRIZES: A prize oratorical contest open to Lower Division men of Pomona College and men of the Southern California Junior Colleges of the Eastern Division is held during the second semester. First and second prizes of twenty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

KNEELAND DEBATE PRIZES: A prize debate open to Upper Division men is to be held for the first time toward the close of the second semester of 1936-1937. This debate replaces the former Kneeland Upper Division Oratorical Contest. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

STELLA KING PRIZES: The opportunity to compete for a first prize of seventy-five dollars and a second prize of fifty dollars for speeches of their own composition is offered to Upper Division men. The judges have the right to distribute the prize in any other way than in the sums indicated, or to withhold all awards if they feel warranted in so doing. These prizes were endowed by the late S. H. Wheeler, in memory of Miss Stella King.

RELIGION

HAGER PRIZES: Prizes for the best essays on a foreign missionary subject, open to all students were endowed by the late Mr. and Mrs. C. R. Hager. At present first and second prizes of twenty and ten dollars respectively are offered.

DEPARTMENTAL SCHOLARSHIPS

ART

HANNAH TEMPEST SCHOLARSHIP FUND OF \$5,000. Income is divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

MILITARY

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrollment in the advanced course of the Reserve Officers' Training

Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a six weeks' summer training camp. In consideration of this agreement, students receive from the government cash allowance equivalent to scholarships of about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrollment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units or preparatory schools will be given consideration in the selection of those to whom these scholarships will be awarded.

MUSIC

THE KATE CONDIT MEMORIAL MUSIC SCHOLARSHIP FUND, \$2,000
Given by the late Mr. and Mrs. A. P. Condit.

PHYSICS

THE RICHARD P. EDMUNDS MEMORIAL FUND provides a scholarship of full tuition for an upper division man student (preferably one who has attended during the first two years) nominated to the Scholarship Committee by the Professor of Physics near the close of each scholastic year for use the following year.

SPECIAL SCHOLARSHIPS

KAPPA DELTA HONOR SCHOLARSHIP ENDOWMENT OF \$2,888.33
Given by members of Kappa Delta Fraternity. The income from this endowment is supplemented by individual pledges to yield a scholarship of \$250, administered under a special committee. Awarded to a man at the beginning of his senior year.

THE PHI BETA KAPPA SCHOLARSHIP. A scholarship of \$175 endowed by the Pomona Chapter of Phi Beta Kappa is awarded at the beginning of the second semester to a senior who has been in residence for three and a half years at Pomona and who is selected by the Faculty for the high quality of his scholarship and his promise of future distinction. The award is open to both men and women.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP. \$500 per year from The Sanborn-Pitzer Foundation established by Russell K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

THE MALCOLM EVERSOLE MEMORIAL FUND provides a scholarship of full tuition for a man in the Junior Class to be nominated

ated to the Scholarship Committee by the President of the college at the end of the nominee's second year in Pomona college. The selection will be based not on scholastic rank only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

GENERAL COMPETITIVE SCHOLARSHIPS

All General Scholarships in Pomona College are competitive and are awarded in three groups: (1) to entering Freshman students, (2) to Junior College transfers, and (3) to resident matriculated students. The general and respective terms of award are stated in the following paragraphs.

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to award the awards only to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in the college community.
- (3) Physical vigor as shown by interest in outdoor sports, or in other ways.

Before making application to the Committee on Scholarships, applicants who are not matriculated students in Pomona College must file application for admission to the College with the Committee on Admissions (fee \$3.50). In the case of freshmen it is ordinarily expected that they will not have attended any other college or university. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the head of the school from which he comes, and will be required to take competitive examinations. The examinations for freshmen and for Junior College transfers will be held on Saturday, February 28, 1942. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special examination, by examination or interview, which it may deem necessary to determine the candidate's fitness.

SCHOLARSHIPS FOR NEW STUDENTS

FRESHMEN

From the General Competitive Scholarships the following are available for candidates for admission to the Freshman Class for

the academic year 1942-43, half of the stipend being available for the first semester and half for the second:

Four Scholarships of Five Hundred Dollars each, applicable to institutional expenses, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Dollars each, open to both men and women; two from the Thomas J. Dowling Foundation and two from the Margaret Burton Harwood Memorial Fund.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women: One of these is from the Henry J. Brainerd and Fannie Howard Brainerd Memorial Fund.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women.

Four Scholarships of One Hundred Fifty Dollars each, two for men and two for women, who are nominated for the same by the California Scholarship Federation.

Applications for above freshmen scholarships, 1942-43, should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships by February 1, 1942. The examinations are held on Saturday, February 28.

Announcement of awards will be made on or before April 15, 1942.

JUNIOR COLLEGE TRANSFERS

From the General Competitive Scholarships the following are available for candidates from Junior College men or women entering the academic year 1942-43, half of the stipend being available for the first semester and half for the second:

Two scholarships of Three Hundred Fifty Dollars each, one of these is from the Margaret Burton Harwood Memorial Fund.

These scholarships are to be awarded under the auspices of special departments, and the details of the competition will be announced later.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory.

Two scholarships of One Hundred Fifty Dollars each, available to candidates who are recommended for the same by Alpha Gamma Sigma.

Five scholarships of One Hundred Fifty Dollars each.

Applications for above advanced standing scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before February 1. The examinations are held on Saturday, February 28. Announcement of awards will be made on or before April 15.

SCHOLARSHIPS FOR MATRICULATED STUDENTS

Twenty-one awards of One Hundred Fifty Dollars each are available on a semester basis for matriculated students, men and women, in any class, during the academic year 1941-42. Of these ten are from the Olivia Phelps Stokes Scholarship Fund and eleven are from the Margaret Burton Harwood Memorial Fund. These awards are not available to entering students. Eleven awards are available for the first semester and ten for the second semester, either upon application to the Committee or upon selection by the Committee from the whole number of those eligible. These scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships should reach the Committee on Scholarships before May 15th for the first semester of the following academic year and before January 15th for the second semester of the current academic year.

FELLOWSHIPS FOR GRADUATING SENIORS

The following awards may be made for 1942-43 if qualified applicants appear. Applications should be in the hands of the Committee on Scholarships by January 15, 1942.

Should the student selected waive the emolument, the stipend will be paid to the candidate next in rank, while the first student would be designated Honorary Fellow for the year.

From the HENRY MARTYN BRACKEN FOUNDATION, a fellowship will be awarded to a senior for graduate work in Claremont Colleges. When in any year a graduating senior does not qualify for an award, the stipend may be given to an undergraduate student at Pomona College.

From the WILLIAM LINCOLN HONNOLD FOUNDATION, a fellowship with a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open normally only to students who have done three full years of work in Pomona College, who are rated in the top half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to

continue their studies either in Claremont Colleges or elsewhere in America or abroad.

The appointment will be for one year, but satisfactory work and conduct may earn a renewal, so that a really successful candidate may enjoy the fellowship for more than one year, while at the same time a new appointment may be made from the graduating class each successive year.

The prime purpose of the fellowship is to promote original and creative achievement in the candidate's chosen field of activity rather than merely to reward faithful classroom work. The selection will be based not on scholarship only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character. The plans for graduate work are to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of each year of tenure, each Honnold Fellow is to make a full report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been residing, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship plan.

OTHER AWARDS

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhoads scholarships should advise with the Committee on Scholarships.

GRANTS IN AID

The income of certain funds is supplemented by a budgetary appropriation to be used in helping to pay the tuition fees of students who are in need of financial assistance. Such aid is given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in attendance upon college exercises, and who maintain at least C grade in their scholastic work.

Aid may be withdrawn at any time from students who have not to have conformed to the conditions.

The college desires that no student who is doing good work should ever withdraw for purely financial reasons.

Recipients of grants in aid may be asked to render service to the College in exchange.

If a student who has received a grant in aid transfers to another institution before graduation the total sum granted him by Pomona College shall become a loan, repayable according to the terms applicable to regular student loans.

All applications for aid should be made before May 15, 1941 of the academic year 1941-42. Address Committee on Student Aid, Sumner Hall.

STUDENT AID FUNDS

GENERAL

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, in memory of her father.

THE L. H. BARROWS FUND OF \$2,500.

THE H. G. BILLINGS MEMORIAL FUND, \$1,000.

THE FLORENCE G. BIXBY FUND, \$5,000.

THE SHERLOCK BRISTOL MEMORIAL FUND, \$400.

THE BESSIE A. BROWN MEMORIAL FUND, \$550. Given by Mrs. Fannie E. Brown of Los Angeles.

THE HENRY HERBERT BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE CLASS OF 1918 FUND OF \$961.78.

THE CHARLES C. CRAGIN MEMORIAL FUND, \$5,025. Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles C. Cragin.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by David R. Crawford and William Crawford, in memory of their mother.

BELL CLUB OF POMONA STUDENT AID FUND, \$1,000. To help a woman student.

THE ELWOOD FUND OF \$2,600. Given by Mary E. Elwood of Redlands, California.

THE FORD FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

THE MARGARET FOWLER FUND OF \$1,000.

THE ORREN A. GORTON FUND OF \$5,000.

THE EMMA K. GUILD FUND OF \$44,337.14.

THE MANETTE HAND MEMORIAL FUND OF \$1,500.

THE ALFRED JAMES HARWOOD MEMORIAL FUND, \$8,000.

THE CHARLES E. HARWOOD FUND OF \$5,000.

THE THOMAS F. HOWARD "MEMORIAL SCHOLARSHIP FUND," \$500. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

THE MARY MARVIN JAMES FUND OF \$396.93.

THE HELEN DAY JEWELL FUND, \$1,000.

THE HENRY L. KUNS FUND OF \$2,000.

THE JEAN LOOMIS FUND OF \$2,000.

THE HOWARD J. MILLS MEMORIAL FUND OF \$3,000.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the endowment of a fund.

THE PAGE FUND OF \$5,000. Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at some time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL FUND, \$2,000. Given by Mrs. C. S. Phelps and Mr. C. A. Phelps, in memory of their son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000.

THE PILGRIM CHURCH OF POMONA FUND, \$1,704.94. Given by the Pilgrim Congregational Church of Pomona.

THE PILGRIM CHURCH WOMEN'S AUXILIARY FUND, \$500. Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mrs. S. T. Potter of Westboro, Massachusetts, in memory of her husband.

THE ANNA H. SEARING FUND OF \$1,800.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her son.

THE CLYDE H. SHIELDS MEMORIAL FUND, \$1,200. Given by R. P. Shields of San Diego, in memory of his oldest son.

THE SWEET MEMORIAL FUND OF \$2,500. Given by Harlan P. Sweet in memory of his wife.

THE MARIA T. WARDWELL FUND OF \$1,000.

THE CLARA B. WATERMAN MEMORIAL FUND OF \$5,000. Given by Miss Rosa May Bennett of Los Angeles.

THE HENRY S. WEST FUND OF \$2,000.

SPECIAL

"CROMBIE ALLEN SCHOLARSHIP FUND" OF \$1,000, half of the income available annually to a graduate of *Chaffey Union High School* and half to a graduate of *Chaffey Junior College* of Ontario, California.

THE MARTHA E. BERRY MEMORIAL FUND OF \$6,000. For foreign students.

THE MABEL S. BRIDGES MEMORIAL FUND, \$3,500. Available for women.

ALICE PAUL HARWOOD SCHOLARSHIP FUND" OF \$5,000. Open to graduates of *Chaffey Union High School* of Ontario.

STELLA M. KING SCHOLARSHIP AND LOAN FUND FOR WOMEN," 10,000.

Two grants-in-aid, provided annually by REVEREND M. D. NEELAND, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the first semester and \$50 for the second.

THE FRANCIS M. PRICE FUND OF \$1,000. For children of missionaries.

LOAN FUNDS

The College also administers loan funds established by the bequest of Ellen H. Lyman and by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of these funds, it is possible to co-operate in a moderate way, and temporarily, with the pressing needs of students.

THE RAY LOAN FUND made possible by the gift of \$1,000 by Mrs. E. F. Ray provides a means of meeting situations of temporary need.

THE LUCY B. JENCKS MEMORIAL STUDENT LOAN FUND OF \$160, established by the Claremont Chapter of the D.A.R., available for a senior girl to be designated by the Dean of Women.

For more substantial loans over a longer period, the College administers the following funds on an interest bearing basis:

THE CAROLINE PHELPS STOKES FUND, endowed in the sum of \$5,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister.

THE ETHAN ALLEN CHASE AND AUGUSTA FIELD CHASE MEMORIAL FUND OF \$5,000, for men.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

SELF SUPPORT

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many are helping themselves by various forms of labor such as janitor, waiting on tables, general house work, gardening and the like. The most desirable positions are in general secured by students who have proven themselves good workers and students, and those coming to the College for the first time

should be content if any work which they can satisfactorily do secured for them. Students in any case should come prepared pay all bills for at least one semester. Their record during the semester will be a large factor in deciding what opportunities for self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

The National Youth Administration program provided Pomona College during the year 1940-41 the sum of \$1140 per month, which was earned by needy students assigned to socially desirable tasks. Students were permitted to earn an average \$15 or a maximum of \$20 per month.

ADMISSION

PREPARING FOR COLLEGE

Any person interested in preparing for Pomona, or any school official who is responsible for directing the preparatory program of students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work. The College is glad to cooperate with the preparatory schools in planning satisfactory programs for students, whether or not they are Pomona College applicants.

Applications for admission will be received at any time. Selections for entrance in September of the academic year 1942 will be announced beginning March 1, 1942, and the first of each month thereafter.

For further information, write to Director of Admissions, Sumner Hall, Pomona College, Claremont, California.

GENERAL REQUIREMENTS AND METHODS OF ADMISSION

Candidates for admission are expected to present satisfactory evidence of their fitness for college, both in character and in scholarship.

Inasmuch as the College expends on its educational work the same as much as it receives from tuition fees, thus making an investment of some three or four hundred dollars a year in every student admitted to its halls, the College naturally is justified in rendering this service only to those who are properly qualified to profit thereby both in their own development and in their subsequent service to society.

ADMISSION REQUIREMENTS

Application and Credentials

Application for admission to Pomona College must be made on the form furnished by the college and all credentials must be filed with the Committee on Admissions.

The forms and credentials required are:

1. Application Form I. Including \$3.50 fee.
2. Personal Rating Scale Form II. To be made out confidentially by the principal or proper school official and sent by him to the Director of Admissions.
3. Applicant's Personal Letter. Write a dated letter telling why you wish to go to college, and why you select Pomona. If there has been any extended break of a year or more in your secondary school education, because of travel, illness, work or other reasons, state the reasons. Any special conditions affecting your college plans should be included. This letter should accompany the Application, Form I.
4. Official Transcript of high school record to date should be submitted. At the time of selection of candidates, work in progress will be considered in fulfillment of requirements, and admission will be granted subject to the satisfactory completion of all such work prior to the time of registration. This transcript must include interpretation of grading system and statement of recommending or certificate grade.
5. Advanced Standing. In addition to the procedure noted above, candidates for admission to advanced standing must file with the Director of Admissions an official transcript of all college work completed.
6. Medical Certificate. A medical examination conducted by a licensed M.D. in accordance with the physician's certificate form furnished by the college, is required of all prospective students before final acceptance. This includes a certificate of recent successful small-pox vaccination and a certificate of a satisfactory tuberculin test, or an X-ray of the chest.

The college reserves the right to reject students for health reasons.

7. Supplementary Transcript of all work completed between the dates of application and registration in Pomona must be filed before registration. Advanced standing applicants must include a statement of honorable dismissal.
8. Tuition Deposit. On acceptance, all applicants are required to deposit \$25. This deposit will apply on the first semester college bills and must be made within thirty days from the date of acceptance (See page 31).

II. Scholarship Requirements

A. For Freshman Standing

1. The completion in the tenth, eleventh, and twelfth grades of at least two units of English with achievement grades of recommended or certificate quality.
2. The fulfillment of one of the following admission plans:

Plan One The completion in the tenth, eleventh, and twelfth grades of twelve units, each with recommended or certificate quality. (Preference will be given to those meeting this requirement).

Plan Two

- a. The completion in the tenth, eleventh, and twelfth grades of nine units, each with recommended or certificate quality.
- b. The completion of all work in the twelfth grade with an average of not less than B on the basis that A, B, C, and D are passing grades.

Plan Three

- a. The completion in the tenth, eleventh, and twelfth grade of nine units, each with recommended or certificate quality.
- b. A score on the College Aptitude Test above the Pomona College Median.

Plan Four By special examination in cases where an unusual or irregular preparatory program prevents evaluation according to one of the above plans.

B. For Advanced Standing

Applicants from other colleges must have completed all college work with at least a C average on the basis that A, B, C, and D are the passing grades. Applicants with the higher records will be given preference.

Credit for work taken elsewhere will be based on its similarity to Pomona College courses.

THREE YEAR PROGRAM FOR JUNIOR COLLEGE GRADUATES

Recognizing the increasing demand on the part of many Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to the master's degree rather than a two-year program leading only to a Bachelor's degree, Pomona College calls the attention of those interested in such a procedure to the general statement on page 72 and the subsequent departmental exhibits of upper division and graduate studies.

ENTRANCE SUBJECTS

In planning the standard four-year preparatory program including the 9th, 10th, 11th and 12th grades, applicants will find it advantageous to include, in addition to 3 units of English, the following: at least 2 units of one foreign language; 1 unit of history, algebra, geometry, and laboratory science; and 3 more units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science. For advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or German. In some fields, a command of both is desirable. It is so much to the advantage of the student to acquire this reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics, should do well to take both Trigonometry and Solid Geometry in High School if possible.

ADMISSION AS SPECIAL STUDENTS

Nature students, particularly those equipped for advanced studies in special departments, may be admitted as special stu-

dents to courses for which, by ability and preparation, they may be fitted. Special students are not candidates for a degree.

PRE-REGISTRATION AND REGISTRATION

On appointed days, on or before the first Saturday in June, *all resident students must fill out* a schedule listing their choice of subjects for the following year.

New students prepare a program of study on announced days at the opening of each semester.

Registration is completed by the payment of tuition and fees on one of the regularly announced days preceding the opening of the class work of each semester.

The fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

CHANGES IN REGISTRATION

A student has the privilege of modifying his schedule of studies by addition or substitution of courses, with the approval of his adviser and the instructor concerned, at any time within two weeks of the beginning of class work for the first semester or one week for the second semester. A student may withdraw from a course, with the approval of his adviser and the instructor concerned, within six weeks following the beginning of class work. Thereafter, the dropping of a course by a student shall entail for him a grade of FF for the course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a different grade. No change of registration is completed until written authorization to the effect has been sent from the recorder's office to the instructor concerned.

The fee for each change of registration is one dollar (\$1.00). This is waived in the case of new students, registering for the first time.

Students are admitted to those courses only for which they are formally registered.

Students are not received later than two weeks from the beginning of class work.

MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the

standing of all students is provisional until after they have been in residence for one semester. At that time those new students are matriculated who have shown themselves in accord with the spirit of the College and who have made at least a C average on all work attempted during their semester of residence. Students failing to matriculate at the end of their first semester of residence may be matriculated at the end of any subsequent semester provided they have met all the above requirements including a C average on all work attempted during their whole period of residence.

Students are not candidates for a degree until they have been matriculated.

SUPERVISION OF SCHOLARSHIP

Amount:

The College regulates the amount of work a student may carry as follows:

15 or 16 units of academic work, exclusive of Physical Education (Gymnastics, Sports, Activities*) Military Drill* and Band,* Choir * or Orchestra,* is the general registration and the minimum for Freshmen.

To register for 17 units, exclusive of work stated in the preceding paragraph, a student must have earned 32 more grade points than the total number of units for which he registered the previous semester; to register for 18 units, 40 more grade points. To register for less than 12 units of academic work requires special permission.

Quality:

A student is expected to secure each semester twice as many grade points as the total number of units of registration.

At the end of the first month of each semester, and also at or about the middle of each semester, a report is made of all students showing failing or unsatisfactory work for the period preceding the date of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and deans receive such reports and take such steps as are advisable in each individual case.

The semester hour value of each of these is as follows: Phy. Ed., $\frac{1}{2}$; Mil. Ed., $\frac{1}{2}$; Choir, 1; Band, 1; Orchestra, 1.

At the end of each semester a complete report is made on every student. This report becomes part of the student's record and indicates the semester's standing in the courses for which he has been registered.

Whenever the quality of a student's work declines to such an extent that his graduation in due course seems improbable, he and his parents are so informed, and he is advised to withdraw. A decision in every such case is reached by the joint action of the College Life and Classification Committees in consultation with the student's adviser. The college may at any time require the withdrawal of a student if the quality of his work seems to warrant such action.

Faculty Dropping Students:

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or W for the course and an annotation reporting the fact of his having been dropped, shall be turned in to the Recorder's Office.

Class Attendance:

Students are expected to maintain regular attendance at all class appointments in the courses for which they are registered. Irregular attendance usually results in low scholastic standing or failure.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

Final Examinations:

Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty.

The schedule of final examinations is prepared by the Committee of Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee upon the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Committee.

A teacher may, at his discretion, appoint a time at which an announced test missed or not passed may be made up. Before such a test can be taken, a receipt from the Business Office for a payment of a fee of one dollar (\$1.00) must be presented to the teacher by the student, unless this fee is remitted by the Classification Committee.

Field Trips:

Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is secured by instructors from the Courses of Study Committee at the opening of each semester. Instructors certify to the Recorder's Office the names of students participating in these trips.

Eligibility:

Students are required to maintain a satisfactory standard of excellence in all their studies in order to represent the College on any of its athletic teams or other organizations coming before the public.

SUPERVISION OF CONDUCT

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the active participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college years are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

In the government of the College, the largest liberty consistent with good work and orderly conduct is allowed. Students are expected to show both within and without the College such respect for order, morality, personal honor, and the rights of others as good citizenship demands. Failure to do so will be sufficient cause for removal from the College.

Any student who for any reason, in the judgment of the faculty or of its proper committees, is felt not to be a desirable member of the student body, may be dismissed without specific charges.

The use or possession of alcoholic liquors of any kind whatever on the campus is prohibited by the College, and the campus use of such may subject the student to the application of the foregoing paragraphs.

The Committee on College Life exercises the authority of the College over all students individually with respect to personal conduct, and over student organizations which bear the name of the College, or which represent the College in any way.

Individual or collective student enterprises which involve the absence of the participants from the College, while using the College name, must receive the official sanction of the Committee on College Life.

AUTOMOBILES

While the College does not prohibit students from having automobiles in Claremont, it does exercise control over their use, and to that end has established the following regulations:

Student drivers must at all times, both on and off the campus, exercise particular care and consideration for the safety of themselves and others.

Student drivers must acquaint themselves with the state and local traffic laws and comply with their observance.

Students driving cars in Claremont are required to carry public liability insurance in the amount of ten and twenty thousand dollars in approved companies. Evidence that the owner of the car holds such an insurance policy extending beyond the end of the college year, together with the license number of the car, must be deposited with the office of the Dean of the College at the time of registration or within three days after the car is driven in Claremont.

Failure to comply with the above regulations shall constitute an offense against the College, the penalty for which may include sequestration and storage of the car at the student's risk and expense for a period not beyond the end of the semester in which the offense occurs.

HONORS STUDY

NATURE OF HONORS WORK

Students who show the capacity and the inclination for more than an average intellectual achievement may be permitted to study for the bachelor's degree *with honors*. Honors study is aimed at a deeper and more scholarly grasp of one's chosen field than is customary; it is also aimed at broadening one's intellectual life through the discovery and exploration of fields relevant to the special object of inquiry. Although honors students are not expected to take all knowledge for their province, they are urged to gain, by means of a mature and thorough approach to their studies, a firm basis of intellectual discipline which will be valuable in later life.

To this end, students are encouraged to master a particular (major) field—not necessarily co-extensive with the subject-matter of one department—and inter-relate with that subject an understanding of one or two minor fields. An honors program thus forms a significant pattern of integrated study in two or three different fields in the curriculum; it frees the student's energies by allowing him, through a more flexible use of instruction and courses of study than is usual, to spend a considerable portion of his time in independent study. Released from as much academic routine as his instructors may approve, an honors candidate thus assumes responsibility for a profounder and wider knowledge than that expected of the ordinary student. He will be admitted to honors status only upon the basis of a record which shows promise of competency to carry on work of high ability; he will be continued only if he exercise initiative and self-direction, place scholarship consistently first among his interests, maintain a high standard of scholarship in his honors program as well as in his other work. Successful demonstration of high achievement is asked for in written and oral examinations given at the end of the candidate's Senior year.

CONDUCT OF HONORS PROGRAMS

General administration of honors work is vested in the Committee on Honors. The major and minor fields of candidates for honors may lie (a) within one of the three Divisions of the curriculum: the Humanities, the Natural Sciences, or the Social Sciences. Each of these Divisions supervises the programs and study of the candidates working within it. The Division lays down

general rules as to seminars, research projects or thesis, as they may be indicated, or reviews the regulations of the department within the Division in this regard. In certain cases, however, the fields of interest of a prospective candidate may lie (b) in departments not included in the same Division. Such a student may apply to the Committee on Honors for admission to candidacy with an inter-divisional program. If his choice of fields and proposed course of study be intellectually sound, his program may be approved by the Committee on Honors and carried out under its direct supervision.

Considerable freedom is allowed in the definition of fields. The candidate may adopt a relatively broad approach, surveying the whole scope of the subjects comprised in his major and minor interests with appropriately intensive work in some part or parts of them, the whole managed in such a way as will insure depth as well as breadth of knowledge. Or, on the other hand, he may limit his field(s), so as to concern himself primarily with a relatively more narrow period or aspect of his allied subjects. Since the very essence of honors work is the promotion of independent scholarly endeavor of high quality, the specific definition of field will generally be determined by cooperative discussion between the student and the Division, or the Committee on Honors, may be appropriate.

APPLICATION FOR HONORS

Normally at the end of the Sophomore year (but not later than the beginning of Senior year) a student may apply for candidacy for the degree with honors. The application form obtainable from the Recorder or the Secretary of the Committee on Honors, should set forth a program of honors work formulated with the approval of the faculty member(s) with whom the candidate plans to study. If the past academic record of the candidate is of high quality, and if his program meets the requirements of the Division involved (or of the Committee on Honors in cases of inter-divisional programs), the application may be accepted by the Division and then by the Committee on Honors. An adviser (or advisers), under whose immediate guidance the student will carry forward his honors work, will be appointed by the Division or the Committee on Honors. Individual requirements in courses pursued outside the honors scheme are set by the instructors concerned. Copies of the program of

candidate for honors should be filed with his adviser(s), with the secretary of the Division involved, and with the Committee on Honors. The candidate's registration must be approved each semester by his adviser and by a member of the Committee on Honors. He is expected to give a very considerable portion of his time to independent study; throughout his Senior year, a candidate must devote at least one-fifth of his program of studies to honors work or its equivalent. An honors student will not, therefore, be permitted to vitiate the honors scheme by carrying a heavy course-load in addition to his schedule of independent study, nor will he be allowed to use the honors plan merely as a device for accumulating credits or hours toward graduation.

WITHDRAWAL FROM HONORS

A candidate for the degree with honors may withdraw from candidacy at his own request with the approval of the Division concerned and the Committee on Honors. In case the performance of a candidate falls below a standard of high quality either in his honors work or in his courses, he may be withdrawn from candidacy by the Committee on Honors. If, for any reason, a candidate leaves the honors status, the Division concerned shall refer the matter to the Committee on Honors the credit and grade to which the student is entitled for work done under its supervision.

HONORS EXAMINATIONS

Evidence of the success of the candidate in his honors work is measured by written and oral examinations administered toward the close of Senior year. Each Division assembles questions from participating departments to form the various parts of the divisional examination; it determines, in cooperation with the Committee on Honors, the dates for such written examinations and conducts them. The candidate writes on such parts of the divisional examinations as relate to his program of honors work. In the case of inter-divisional programs, the candidate writes on such parts of the various Divisional examinations as may be appropriate.

In addition to the written comprehensive examinations, the candidate for honors will take an oral examination, the purpose of which is to supplement the examinations previously taken. In each case the candidate is responsible for the entire scope of his honors work. Each oral examination is administered by a board set up

cooperatively by the Division concerned and the Committee on Honors. This board of examiners, which consists of at least two members drawn from the fields in which the candidate has done major or minor work, shall also include the candidate's adviser. The Committee on Honors shall delegate one of its own members to act as chairman of each oral examination. It may also, upon nomination from the appropriate Division, appoint a suitable "outside" examiner not on the Faculty of Pomona College.

A candidate taking courses outside his honors program is, however, subject to the ordinary requirements with reference to examinations in such courses. He may be exempted at the discretion of the instructors concerned from taking courses and examinations included in the fields of his honors program.

THE DEGREE WITH HONORS

After having received the reports of the examiners, the Division's adviser's comments, and other relevant evidence, the Division concerned (or, in the case of inter-divisional candidates, the Committee on Honors), assesses the candidate's performance and recommends to the Committee on Honors the academic grade and credit to which the candidate is entitled for his honors work and the class of honors which, in its judgment, he merits. After considering the evidence presented, the Committee on Honors certifies to the Recorder the academic grade and credit which the candidate has earned, and recommends to the Faculty that he be awarded the bachelor's degree *with honors*, *high honors*, or *highest honors*, as may be appropriate. Such honors, when recommended by the Faculty, are announced in the Commencement program and recorded upon the graduate's diploma.

A student who does not merit honors, but whose credit warrants graduation, will be recommended by the Committee on Honors for graduation in course (*rite*).

HONORS STUDY IN THE DIVISION OF HUMANITIES (DIVISION I).

Honors study in the Division of Humanities is designed to engage, first, a broad cultural acquaintance with the principal lines of historical development and a selected list of outstanding masterpieces in the fields of learning represented in the division and, second, a thorough knowledge of some field of concentration. A comprehensive examination at the end of the candidate's senior year surveys his success in attaining a divisional breadth of culture and his mastery of the field of his major interest.

Honors work is concerned primarily with a type and a standard of achievement. Accordingly, the Division prescribes no particular method by which the desired end shall be attained but expects an exercise of individual initiative on the part of the candidate in carrying out his program of study. Candidates are encouraged to allocate to honors study the three academic hours each semester allowed under the general rules for honors work in the college. This time may be devoted to a reading program, to a specified problem of investigation, or to original work in a chosen field of creative activity; all work must be undertaken with the approval of the Division and under the direction of an honors adviser. Ordinarily, two-thirds of the comprehensive examination will be devoted to the field of concentration, and for one-half of this section of the examination—a third of the entire honors examination—there may be substituted a research paper or a demonstration of original achievement in the field of language, literature, art, or music.

A student who wishes to engage in honors study should select, preferably at the close of his sophomore year and in no case later than the beginning of his senior year, a faculty adviser, and, with his approval, submit to the Division of Humanities a coherent plan of study for the remainder of his college course.

BIOLOGICAL SCIENCES

(DEPARTMENTS OF BIOLOGY, BOTANY AND ZOOLOGY)

I. OPPORTUNITIES

The location of Pomona College, close to mountain, des- coastal plain and sea, makes it especially suited to studies of tematic and ecological nature. This assures also an adequate diversified supply of materials for class and laboratory and special problems of a morphological or physiological nature. College, furthermore, possesses a number of special biological collections, notably of plants and insects. The Marine Laboratory of the College at Laguna Beach is an adjunct valuable during summer session and of use on occasion throughout the year.

II. CONCENTRATION IN THE DIVISION

A student emphasizing biological science is ordinarily expected to have Biology 1, followed by an integrated program in either Botany or Zoology or both. A reading knowledge of German or French and a training in the physical sciences are also expected according to the needs of the individual.

III. COURSES PREPARATORY TO:

(1). Graduate work, looking towards investigation or higher education. Broad foundations in the biological and physical sciences, with liberal selections of advanced courses in the field of concentration, are essential for those who anticipate professional work in biological science.

(2). Teaching in secondary schools. Teachers of biological subjects and general science need basic courses in as many branches of science as possible. The following are also important: Field Botany, Plant Physiology and Taxonomy, Physiology, Entomology, Genetics and Bionomics.

(3). Museum work, conservation, nature guide work, field biology. In addition to the basic courses are recommended: Plant Taxonomy, Functional Zoology, Entomology, Special Problems in Geology.

(4). Horticulture, agronomy, landscape art, forestry. For the first two: Plant Physiology, Bacteriology, Entomology, General and considerable Chemistry, Elementary Physics, Structural Geology. For landscape art: Plant Taxonomy, Freehand and Mechanical Drawing, Surveying, Chemistry, Geology, and Economics. For forestry: Plant Taxonomy, Entomology, Surveying, Plant Physiology.

(5). Medicine, nursing, laboratory technique, public health, sanitation. Pre-medical requirements are discussed elsewhere. Inasmuch as medicine is highly biological, a liberal election of Microbiology, Histology, Neurology, Functional Zoology is recommended. Work in Entomology, Bacteriology and General Botany is recommended in addition to the above for Public Health.

PHYSICAL SCIENCES

(DEPARTMENTS OF ASTRONOMY, CHEMISTRY, GEOLOGY,
MATHEMATICS AND PHYSICS)

The group of Physical Sciences renders through its freshman and sophomore courses two quite distinct types of educational service:

1. For persons who are not intimately concerned with science and scientific pursuits it offers a general introduction through survey courses to modern scientific method, to the philosophic aspects of science, and to the place of the sciences in the general scheme of human affairs, along with the theoretical and descriptive presentation of the subject-matter. Conspicuous among such courses are: Mathematics 1, Physics 1, Chemistry 1, Astronomy 51 and Geology 51.

2. For those who incline toward more emphasis on the physical sciences during their collegiate years, whether for purposes of training, or with a view to engaging in commercial enterprises requiring knowledge of physical science, or because of an interest in scientific study for its own sake, the group offers excellent opportunities for concentration.

PREREQUISITES for undertaking concentration in Physical Science:

1. Physics and Chemistry: Fundamental in importance is such understanding of the constitution and value of matter and energy as is ordinarily gained through basic courses in Physics and Chemistry.

2. Mathematics: A practical knowledge of the tools of scientific reasoning acquired in Mathematics is essential. This will mean mathematics courses at least through calculus. It is urged that those doing such work in college complete trigonometry in high school.

3. Foreign Languages: It is highly desirable that the student desiring to concentrate in the Physical Sciences shall acquire a working knowledge of both French and German.

CONCENTRATION: Each one of the departments in the group has its own sequence of courses for the student concentrating in its own part of the general field; but it also requires supplementary work in related departments. In addition, there are opportunities for concentration in fields that cross departmental lines. The combinations and implications are too markedly individual, however, to admit of a satisfactory general statement; they must be worked out between the student and his adviser.

SOCIAL SCIENCES

(DEPARTMENTS OF ECONOMICS, EDUCATION, HISTORY,
GOVERNMENT, RELIGION AND SOCIOLOGY)

CONCENTRATION IN FIELD:¹ The student working for honor in the social sciences will undertake integrated sequences of study in two departments, one of which shall be his major and the other his minor field of concentration. In each he will complete a basic course.² In his field of minor concentration he will, in addition, complete an advanced course or courses involving semester hours of credit and including either a pro-seminar or a reading course designed to effect an integration of his major and minor fields. He will maintain a "B" average in the social sciences, will complete 24 hours in courses numbered over 100 in the field, of which at least 12 must be in courses numbered over 150, and will include courses 191 and 192 in the department of his major concentration.

FOREIGN LANGUAGE: Usually by the beginning of the Junior year but not later than the middle of his Senior year, the student is required to file with his Adviser a written certificate of his ability to read French or German, issued by a member of the faculty designated to examine in those languages.

COMPREHENSIVE EXAMINATIONS: The work of a candidate culminates in written and oral comprehensive examinations, administered by the social science faculty. The written examination consists of two parts: (1) one designed to test his knowledge of his field of minor concentration, and (2) one intended to reveal his mastery of the field of his major concentration. The passing of both parts of this examination will exempt the student from final examinations in social sciences at the end of his Senior year. In his oral examination the student is examined by representatives of the departments of his major and minor fields of concentration.

¹No departmental concentration, or major, is offered in any one social science.

²Economics 51, Government 2, History 1, Religion 5 and 6 or 103, Sociology 1.

FINE ARTS

(DEPARTMENTS OF ART AND MUSIC)

Courses in the history, appreciation, and theory of art and music are offered by the College as contributions to personal culture, and receive credit toward the Bachelor of Arts degree on the same basis as other academic courses. In the fields of applied music and art technical proficiency is aimed at, with the idea, first, of developing an appreciative taste, and second, of stimulating creative expression as worthy of expression.

APPLIED ART: Students wishing to concentrate in Art as their major subject for the B.A. degree may elect courses in Drawing and Painting, Sculpture and pre-Architecture. A theoretical knowledge in all these fields is desirable and practical work should be taken in two of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization.

The student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year the student concentrating in Art will give a separate exhibition of his work of that year.

MUSIC: Students who expect to make music their major field of concentration should make this objective clear at the beginning of their study and appear before the entire music faculty at the end of their sophomore year that the faculty may determine the advisability of such concentration. Students who are classified as music majors are expected to pursue courses recommended for music majors and are required to give a satisfactory public recital in their senior year. Students who expect to major in applied music are required to register for two lessons per week in their major subject (unless otherwise directed by the Examining Committee) and to make frequent appearances in the regular Monday evening Student Recitals.

Students interested in obtaining the special credential in music should complete their requirements for the credential by taking graduate work in Claremont Colleges.

Credit for work in Applied Music is granted to all students who have satisfactorily completed the examinations in their respective subject. All students desiring credit for their work in applied music must perform first before the Examining Committee to demonstrate that they have had sufficient previous training to qualify them as eligible for credit in applied music. These qualifying examinations are given in September of each college year. The required examinations for credit in applied music are given in June of each college year.

To receive credit applied music must be accompanied or preceded by first year harmony, Music 1. Credit for more than one unit of applied music study must be accompanied or preceded by second year harmony, Music 55. Two units per semester are given for two lessons per week, one unit per semester for one lesson a week. No credit is given for less than a year of study.

ENGLISH

(DEPARTMENTS OF ENGLISH AND PUBLIC ADDRESS)

I. The English group functions in three different ways:

1. To persons desirous of proficiency in our mother tongue whether for the sake of apprehending the ideas of others or for the sake of expressing their own, it affords training in reading, writing and speaking.

2. To persons seeking the mental and spiritual culture attendant on the processes of literary appreciation it offers a generous variety of courses.

3. To persons who wish to make English in any of its phases the dominant feature of their collegiate programs it provides opportunity for concentration during the junior and senior years.

II. To the end that proper organization and direction may be achieved and a desirable breadth at the same time maintained in the programs of students concentrating in English the following objectives are recommended for their guidance:

1. Effective command of the English language, in reading, in writing and in speech.

2. Extended and intensive experience in literary appreciation; interpretation and criticism; original creation.

3. Intelligent acquaintance with the great books of the world. Reading Lists I and II offer guidance supplementary to that afforded by organized courses.

4. A general knowledge of English and American social culture in its historical development.

5. Some understanding of the more significant movements in the field of philosophy, especially as they bear on literature and art.

6. A mastery, the more complete the better, of at least one language other than English. Besides the added understanding of general linguistic problems achieved through such mastery the intimate contact with a foreign culture entailed in a study of its language has a value attainable in no other way.

Students who have in mind to go on to advanced graduate work in English should recognize from the beginning that the best university standards will demand a thorough grounding in Latin—not less than the full high school course—an advanced reading knowledge of both French and German.

NOTE: Personal interests of the student — as Music, Art, phases of Social Science, or of Physical and Biological Science—may very properly be accorded such recognition in his program as to entail a sacrifice—at least in part—of one or more of the “objectives” listed.

III. The minimum formal requirement for concentration in English is 24 hours of satisfactory work in courses numbered over 100, two of which are numbered over 150.

FOREIGN LANGUAGES AND LITERATURES

FRENCH, GERMAN, GREEK, ITALIAN, LATIN AND SPANISH)

CONCENTRATION IN THE FIELD

A student interested in the synthetic study of the complete field of foreign letters may, under an adviser appointed by the group, do work in the various departments of the group, thereby concentrating in the field. Such a student should hold non-credit bearing conferences from time to time with the faculty of the group, moving toward a comprehensive examination in the general field of foreign languages and literatures.

CONCENTRATION IN DEPARTMENTS

A student planning to concentrate in a foreign language should begin his study of that language before entering college. Preparatory work in some other language is also a distinct advantage. Although the student is normally expected to concentrate in one of the departments of Foreign Languages, he should acquire as broad an acquaintance as possible in all the other fields of literature represented in the group.

Eighteen to twenty-four hours of work in courses numbered 100 are required in the department concerned, in which at least an average must be maintained. For a student desirous of doing specialized work than is possible under the regularly scheduled offerings, the Honors plan presents additional opportunity. At the end of the Senior year a comprehensive examination will be required.

LATIN AND GREEK

Concentration in the Classical Languages is designed to give a student a technical knowledge of the language and literature of his special interest and an appreciation of the life and institutions intimately connected with that literature.

The student of Latin is expected also to have an acquaintance with the Greek language and literature. It is not essential however, to take the lower division courses of Latin.

ROMANCE LANGUAGES AND LITERATURES

A student concentrating within the field of the Romance Languages and Literatures should be fortified with a pre-knowledge of Latin, and will find it to his advantage to have begun the study of French or Spanish, or both, before entering college.

Concentration in a Romance Language and Literature is designed to provide: first, a broad general knowledge of both the language and literature of the student's special interest; and second, a considerable knowledge, represented by not less than two years of work in at least one other language of the Romance field.

A student who is well equipped in foreign language on entering college, is urged to take work in all three of the Romance Languages.

GERMAN

Concentration in German is designed to give the student a knowledge of the language and of the German civilization as represented by the best works of literature.

THE LIBERAL ARTS VIEWPOINT

Pomona holds that scholarship should not only be high but broad and inclusive. It is not a professional school. It insists the best preparation for life includes not only the ample, general and complete training of the college course, such as is here given but also at a later period a thorough and definite professional specialization. The College has been singularly successful in preparing its body of students with these ambitions. A large percent of its graduates have taken subsequent professional training, winning scholastic awards in other institutions.

GENERAL PREPARATION FOR PROFESSIONAL SCHOOLS

The courses offered in Pomona College cover a broad range of the humanities and the sciences. In general, schools of business administration, journalism and law do not require a particular pattern of undergraduate work. On the other hand they are particularly interested in students who have had a broad liberal arts training and have learned how to study effectively, as evidenced by the quality of their undergraduate work.

Various combinations of fundamental courses are presented below as adequately preparing for later professional studies in engineering, medicine or education, where more specific prerequisites exist.

A SUGGESTED PRE-ENGINEERING COURSE

In the belief that the training of a liberal arts college, so essential to men in other professions, is essential to the engineer, Pomona has developed a series of courses to enable its graduates to enter the upper division work of engineering schools and to graduate therefrom in two years. Men during the first two years will take the same course regardless of the field of engineering contemplated.

FRESHMAN YEAR

Units

Chemistry 55	
or 53 and 54.....	8 or 10
Mathematics 1	6
Mathematics 7	4
Foreign Language.....	6
Elective	8 or 6

SOPHOMORE YEAR

Economics 51	6
Mathematics 65	6
Mathematics 59	4
Physics 51 and 52.....	8
Elective	6

JUNIOR AND
SENIOR YEARS

Mathematics 151	
Astronomy or Geology.....	
Economics	
Physics 111 and 151.....	
Mathematics 152	
Physics 195	
Physics 113	

Pre-engineering students are advised to take in their Junior and Senior years as many of the above courses as possible of the above course in addition the six weeks' summer course in surveying at Lake should be taken.

A SUGGESTED PRE-MEDICAL COURSE

Certain subjects have been designated by the Council on Medical Education of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the leading medical schools, however, have requirements well beyond the minimum, and from many more applicants than can be accepted, selecting only those who are best prepared and have demonstrated the highest scholastic ability and laudable personal traits. Pre-medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build, in a leisurely fashion, a broad educational foundation. Breadth of knowledge, culture, and a thorough grounding in the biological and physico-chemical sciences are the objectives of the premedical course.

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of most of the medical colleges in the United States. It can readily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical school which the student may plan to attend.

FRESHMAN YEAR		JUNIOR YEAR	
	Units		Units
English 1	8	Zoology 54	4
Biology 1	6	Zoology 117	4
Mathematics 1	6	Chemistry 57	3
German 1	6	Chemistry 103	6
Science, Div. I or III	4	Chemistry 105	2
		Psychology 51	6
		Electives, Div. I or III	6
SOPHOMORE YEAR		SENIOR YEAR	
Chemistry 53 and 55	10		
Physics 51 and 52	8	Zoology 115	4
German 53	6	Remainder all electives.	
Science, Div. I and/or III	6		

Chemistry courses may be spread to three years if preferred. Note, Chemistry Courses of Instruction.

A reading knowledge of both German and French is highly desirable. High School work in these languages and in Latin is recommended for those planning the medical course, and the program suggested above may be modified in accordance with pre-college preparation in these subjects.

In recently published information about subjects which medical schools do not include in the stated requirements, but which are recommended to pre-medical students, there is much diversity on the points, but practical unanimity on the desirability of these six subjects:

More than one year of English and public address; mathematics, at least through trigonometry; both French and German; economics, sociology and philosophy; both comparative anatomy and embryology; physical chemistry.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to supply the general background that an intelligent citizen should have regarding one of the most important of our social institutions, and at the same time prepare the prospective teacher for the more technical training in the graduate school.

CERTIFICATES: In California every public school teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon the presentation to the county board of education of a credential issued by the state board of education through its commission on credentials.

It is the policy of Pomona College to encourage students preparing for teaching to supplement their undergraduate course with additional work at Claremont Colleges or at some other graduate school. The recommendation for the credential then goes directly from the graduate school, using as a foundation the undergraduate curriculum pursued at Pomona College.

While the requirements vary for different certificates, the candidate for a general secondary credential must present a major consisting of a minimum of 24 units of work, 12 of which are in courses numbered over 100 in one subject matter field taught in high school and a minor consisting of a minimum of 12 units, 6 of which are in courses numbered over 100 in another subject matter field taught in high school.

Inasmuch as some increase in these requirements is being considered by the state board of education students who expect to enter the teaching profession in California should consult a member of the Education department by the beginning of their junior year.

A SUGGESTED PROGRAM for the prospective teacher:

FRESHMAN YEAR: Academic courses preparatory to the credential in view.

SOPHOMORE YEAR: Education 53; Psychology 51; further work in the subject-matter to be taught.

JUNIOR YEAR: Education 104; further work in the subject-matter to be taught, or in related fields.

SENIOR YEAR: Education 187 for special studies; Psychology 187. A rounding out of the subject-matter to be taught.

SUGGESTED PROGRAMS

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A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS OF PHYSICAL EDUCATION

FRESHMAN YEAR		SOPHOMORE YEAR	
	Units		Units
English 1	8	Zoology 53	6
Chemistry 53	8	Sociology 51	6
Geology 1	6	Psychology 51	3
Physical Education 5	2	Music 53	6
Electives	8 or 9	Electives	9 or 10
JUNIOR YEAR		SENIOR YEAR	
Public Address 52	4	Physical Education 131	3
Psychology 107	3	Education 190	3
Geology 116	3	Physical Education 154	3
Physical Education 126	2	Physical Education 152	3
Physical Education 127,	4	Chemistry 114	4
Physical Education 119	2	Psychology 104	3
For women)	3	Electives	12
Education 53	8 or 9		
Electives			
Units of required Physical Education Activities.			

It is suggested that the required Physical Education activities be so selected as to give the individual opportunity for both technical skills and leadership training in a wide range of activities.

A non-credit Camp Counselor's Training Course is held at Halona, the cabin at Idyllwild, for a two-week period immediately following Commencement. This course aims to provide its members with experience useful in coaching and other types of leadership, such as teaching and community relations.

This program followed by a year of graduate work in Claremont College will qualify the student for the general credential with a major in Physical Education.

Reading knowledge of French and German is highly desirable for any student who plan to go on to graduate research in Physical Education.

REQUIREMENTS FOR GRADUATION

DEGREE

Pomona College awards but one academic degree, that Bachelor of Arts, which may be attained either in ordinary or honors. The special procedure in honors study is given on page . The following requirements apply to all students.

UNIT REQUIREMENTS

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation lecture period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of fifteen units of academic work throughout.

GRADE POINT REQUIREMENTS

In order to graduate a student must not only earn a certain number of units, but also attain an average of at least C grade on all units for which he has registered, or twice as many grade points as units. See grade and grade point schedule, following:

1. Grades and grade points are as follows:

Grade points per unit		
A	4	(excellent)
B	3	(very good)
C	2	(average)
D	1	(passing)
F	0	(failure) may be made up to a grade outside of class
FF	0	(failure) may not be made up except by repeating course
I (Incomplete)		
W (Withdrawn with permission while work was of passing grade or better)		

2. The F grade and the FF grade both indicate a failure. In the case of the F grade the failure incurred may be made up outside of class upon conditions laid down by the teacher, provided the conditions are met on or before the first day after the Spring vacation, if the failure is incurred in the first semester,* or on or before the first day of recitation of the next College year, if the failure was in the second semester. An F grade made up thus may not be raised above a D grade. An F grade not so made up remains permanently upon the records as a failure. A FF grade can be raised up only by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated when next offered. A student may not continue with work in which he has received a FF. The making up of work which has received the F or FF grade does not expunge the grade from the record. It does permit credit and "grade points" for the course.

All F and FF grades reported by teachers are accompanied by a specific statement in writing of the cause for the failure.

iled statement in case of the F grade of the work necessary for removal. A copy of this statement is mailed to students.

3. The I mark is given where illness on the part of a studentifies the granting to him of additional time for the completionis work. It may be changed upon the same conditions as those down for the making up of the F grade, with this exception, other than a D grade may be thus earned.* Teachers wishingive an I grade for other justifiable cause than illness must firstive permission to do so from the Classification Committee.

4. The mark W is used where a student has withdrawn from a rse in accordance with provision on p. 50.

DIVISIONS

The departments of the college are organized in three divisions ollows:

I	II	III
Art	Astronomy	Economics
English	Biology	Education
French	Botany	Government
German	Chemistry	History
Greek	Geology	Physical Education
Italian	Mathematics	Religion
Latin	Physics	Sociology
Music	Military Science	
Philosophy	Psychology	
Public Address	Zoology	
Spanish		

REQUIREMENTS FOR GRADUATION**

126 units total, including six units of Physical Education Activities, four of which must be taken in the first two years and two in the last two years of the course.

I grades incurred during the first semester of year courses, may be re- on the recommendation of the teacher concerned, by the successful etion of the work of the final semester.

or to graduation, all students are required by the laws of the State of rnia to pass a course or an examination on the Constitution of the United . This requirement may be met by Government 2a, 153, 154, History 55. students who have not completed the Constitution requirement for grad- by the opening day of senior year will be required to register for a meeting the requirements during the first semester of senior year, save eptions may be made by action of the Classification Committee.

For Distribution:

2. By the end of the Junior year, in each division:
A year's work of not less than four units in each of departments.
Normally a student should plan to meet this requirement the end of the Sophomore year.
3. Not more than 52 units total for credit in any one department.

For Concentration:

4. 36 units of work in courses numbered above 100, of which at least 12 are to be in one department.

These General Requirements are designed to protect the student against gross errors in shaping his collegiate program. They intentionally leave him a great deal of freedom to plan his course of study according to his interest. In the exercise of this freedom will be the part of wisdom for him to take advantage of the workable organization of the curricular program into sequences of courses in departments and divisions, looking upon these things as aids toward an education. Courses, etc., are, however, merely aids toward, substitutes for, reading, reflection and independent study.

CHOICE OF SUBJECTS

In the planning of his work the student in Pomona College is given a large range. The only limitations are designed to insure to him, on the one hand, the breadth of view which may be gained by some study of each of the great realms of knowledge; and on the other, that concentration along a chosen line of work which shall develop power of thought and an actual fund of knowledge in some particular field.

In selecting his courses of study and also in determining his outside reading the student should have as his fundamental purpose while in college to become familiar with the principal phases of the intellectual culture of mankind. This involves the following essential features:

1. Acquaintance with great literature.
2. Comprehension of the principal concepts of natural science, both physical and biological.
3. Familiarity with present-day established conceptions of the social order and an intellectual grasp of contemporary social problems.
4. Some philosophical appreciation of the general nature of the universe and an evaluation of human ideals, both moral and religious.

THE FACULTY REGULATION ON ENGLISH

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Before any student is accepted to Junior standing he must satisfy a committee of the College of his ability habitually to use English of good quality. On the recommendation of this Committee, a student whose English is presently unacceptable may be required to withdraw from the College at the end of any semester by the joint action of the College and Classification Committees. Habitual and flagrant misspelling is considered a deficiency in English to which this regulation applies.

Responsibility for raising the level of a student's use of English lies solely with himself, inasmuch as it is not the policy of the College generally to undertake the teaching of basic secondary school subjects. Students who have weakness in expressing themselves in their mother tongue should bear in mind the value of certain important courses offered by the Department of English.

CONCENTRATION IN SPECIAL FIELDS

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

1. Preparation: There must be sufficient basic work (courses numbered 1 to 99) in the special field and in allied fields to ensure adequate preparation for carrying successfully the advanced work.
2. Concentration Requirement: Not less than eighteen hours of work in courses numbered over 100 in the field of concentration; of these eighteen hours must be in courses numbered over 150, six of them must be taken during the Senior year.
3. Foreign Language: For advanced work in most fields a working knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is desirable. It is to the advantage of the student to acquire this working knowledge before entering college.
4. Comprehensive Examination: In most fields the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration lies.
5. Adviser: That member of the faculty in whose field a student is working intensively becomes the student's official adviser during his Junior and Senior years. It will be well for the student to consult his prospective adviser even earlier in his course.

The application of these ideas involves to such a degree a recognition of differences between fields of learning and between the individualities of students that no summary statement of them could be thought of as complete. The attention of those interested in special fields is therefore directed to the more extended discussions of work in various fields together with certain pre-professional courses which are found on pages 57-67.

COURSES OF INSTRUCTION

DESIGNATION OF COURSES

COURSE NUMBERS: Elementary courses numbered below 50 given in freshman or sophomore year. Courses numbered 50 to 99 are either those which follow the course of the previous year, or the more advanced beginning courses. Courses numbered over 100 are for Juniors and Seniors and may not be entered by students without previous work in the same field.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-unit courses are offered, two courses should be completed to secure the counting of units and grade-points toward graduation.

HYPHEN COURSE: When course numbers are connected by a hyphen they cover a common subject and the entire sequence should be taken. **COMMA COURSE:** When course numbers are connected by a comma, although the course extends throughout the year, independent credit is given for the work of the first semester. Entrance to the second semester of a year course is by permission of the instructor.

All courses are three units each unless otherwise designated.

THREE YEAR PROGRAM OF UPPER DIVISION AND GRADUATE WORK

To enable Junior College graduates and others who enter with advanced standing to continue their education on the basis of a three-year program leading to the Master's degree as well as to the Bachelor's degree, Pomona College and Claremont Colleges have planned their offerings so that the closest articulation of undergraduate and graduate study is possible. Graduate work in the humanities, in the social sciences, in the biological and physical sciences, in philosophy, psychology, religion, and in the fine arts and music, along with professional work in public school education and in psychology is conducted by Claremont Colleges using the combined staffs of Scripps College and Pomona College as well as their own appointees. This work is usually characterized by an informal mode of instruction possible only in an institution of this type where the standards are high and the number of students is limited. A catalog of graduate seminars will be furnished upon request to the Director of Studies, Claremont Colleges, Claremont, California.

COURSES IN SCRIPPS COLLEGE

In addition to the following courses there will be announced at registration time certain courses in Scripps College open to Pomona students under approved conditions. Each regular student in Pomona College shall, however, select not less than half of his registration each academic year from courses in Pomona College.

Anthropology

See Sociology.

Art

For each unit of credit in Art, except in 51 and 112, there is required a minimum of one hour of assigned reading and two hours studio work per week. Students are urged to prolong these periods when other work permits, as they will then make more rapid progress.

The total number of hours of Applied Art accepted toward graduation is 16, so distributed as not to exceed 3 hours in courses numbered under 50, 3 between 50 and 100, 5 between 100 and 150, and 5 over 150. In courses where lecture and laboratory work are combined, the work is counted half theory and half applied.

Special fees for work in applied art are as follows: courses numbered 9, 65, 107, 162, \$12.50 per unit. All other courses \$5 per unit.

3b. Design and Drawing.

MR. BEGGS

The study of order in the graphic arts. The appreciation of form and its expression in pencil, charcoal and color. 2 units. *WF*, 1:15 to 3:05.

9b. Sculpture.

MR. JURECKA

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. Two sections. *TTh*, 1:15 to 3:05. *WF*, 3:15 to 5:05.

151b. History of Art.

MR. BEGGS

Study of the historical development of art with especial attention to national genius and expression. The Classic, Early Christian, Byzantine and Medieval Periods will be studied in the first semester, and Renaissance, Baroque, Neo-Classic, Romantic, Realistic and Contemporary Art in the second. *MWF*, 9.

153b. Composition.

MR. BEGGS

Pictorial Design in various media requiring a sketch each week on an assigned subject of an illustrative or decorative nature. To be taken in conjunction with another applied art course; may be repeated for credit. 1 unit. *W*, 11.

161b. Advanced Drawing and Design.

MR. BEGGS

The rendering of form, particularly the head, in charcoal, lithograph crayon and water color. This may be related in the second semester to industrial, commercial or fine art problems according to individual preference. 2 units. *TTh*, 1:15 to 3:05.

165b. Advanced Sculpture.

MR. JURECKA

Problems in applied ornament. Portrait study from cast and living model. Studio methods; casting and armatures. 2 units. *TTh*, 3:15 to 5:05.

103a-103b. Life Drawing.

MR. BE

Anatomical function and the construction of the human form.
Prerequisite 61 or equivalent. 2 units. *TTh*, 3:15 to 5:05.

107a-107b. Sculpture from Life.

MR. JUREC

Modeling from life. Figure, portrait in the relief and in the round. Laboratory and related work. 2 units. *WF*, 1:15 to 3:05.

112a, 112b. North European Art.

MR. BAUMAN

Following an analysis of the basic differences between Renaissance and Baroque in Italy, Germany, and the Low Countries, attention is paid to national characteristics and the influence bearing upon them as well as to the particular achievements of great artists such as Titian, Durer, Rubens, Velasquez, Rembrandt, etc. 2 units. *MW*, 11.

120a-120b. Painting.

MR. BE

Practice in Still-life and Landscape is adapted to a study of the techniques of various historic schools of oil painting. These are explained by means of a system of set palettes which afford a better understanding of painting principles and an opportunity for the development of individuality of manner. 2 units. *WF*, 3:15 to 5:05.

155a-155b. Advanced Painting.

MR. BE

Attention is given to the completion of easel pictures including the portrait and the decorative composition. A large finished canvas is required in the second semester. 2 units. Arranged.

162a-162b. Advanced Sculpture from Life.

MR. JUREC

Advanced composition in both relief and the round. Development of original conceptions. Study of color effects in sculpture. Laboratory and related work. 2 units. *M* 1:15 to 5:05.

GRADUATE WORK in the history of art and architecture and in applied art is available under the auspices of Claremont College.

Astronomy

51a-51b. An Introduction to Astronomy.

MR. WHITE

Presents the general facts of historical and modern astronomy in non-technical form suited to students with a minimum of science preparation. An acquaintance with the starry heavens is sought and an appreciation of man's relation to the surrounding universe. Regular evenings with the telescopes at the Brackett Observatory are supplemented by group projects and field excursions. Classroom two hours per week; observatory, etc., one period per week.

For students with satisfactory preparation in physical science and mathematics, additional work in class and laboratory is offered, giving 1 additional unit of credit; the extra time to be arranged. Laboratory fee \$3.00 per semester. 3 or 4 units. *MWF 11 and Arranged.*

te: Students in courses numbered over 100 participate in certain regular observing programs, full expression being given to individual aptitudes and preferences. These observations deal principally with the varying activities of the sun, certain phases being periodically reported to the Observatory of Paris on an international schedule, in which the Brackett Observatory is a cooperating member. The general prerequisites for upper division courses in the department are Astronomy 51 or its equivalent or a satisfactory preparation in physical science.

1a, 101b. The Sun and the Weather.

MR. WHITNEY

A laboratory course consisting of regular observations of sun spots, prominences, solar eruptions and the heat received from the sun; the correlation of solar activity with terrestrial phenomena and world weather; the operation and maintenance of the weather bureau instruments at the observatory; visual and photographic studies and classification of cloud formations and the general principles of weather forecasting. Laboratory fee \$3 per semester. 2 units. Class, *F, 1:15*. Laboratory arranged.

a-103b. Practical Astronomy and Navigation.

MR. WHITNEY

Deals with practical problems in astronomy and the compilation and reduction of the data obtained. Observations with the telescope, transits, and sextant are also applied to the determination of time, latitude, and longitude in a study of the theory and practice of marine and aerial navigation. Classroom and laboratory 3 units. Laboratory fee \$3.00 per semester. Class, *TTh, 1:15*. Laboratory arranged.

. Celestial Mechanics.

MR. WHITNEY

A short course in the application of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems in the prediction of eclipses and occultations and on the computation of the orbits of comets, etc. 3 units. First semester. Arranged.

Astrophysics.

MR. WHITNEY

Considers the applications of the principles of modern physics and chemistry to a study of stellar and cosmic problems and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations are both visual and photographic. Classroom one hour; observatory two periods. Laboratory fee, \$3.00 per semester. Second semester. 3 units. Arranged.

190. Investigations in Astronomy.

MR. WHITE

A unified program of investigation in some particular field such as variable stars, double stars, solar radiation, meteor observations, etc., is arranged. Each semester 1 to 4 units. May be repeated for credit. Laboratory fee, \$2.00 per unit per semester. Open only to Seniors. Arranged.

GRADUATE WORK in Astrophysics and Celestial Mechanics is available under the auspices of Claremont Colleges.

Biology

1a-1b. General Biology.

MR. HILTON, MR. MURPHY
and ASSISTANTS

A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the present method it will be fitted to the preparations, needs, and interests of individuals or groups. Laboratory fee, \$6.00 each semester. Class *M* and *W*, or *F*, 11; laboratory, field trip, or demonstration *M,T,W,Th* or *F*, 1:15-4:10.

105. Bacteriology.

MR. PEQUEGAT

General study of important bacteria, methods of culture, study, and importance in disease and agriculture. Prerequisite: one year of biological work. Laboratory fee, \$8.00. Breakage deposit \$5.00. First semester. Class, *S*, 8; laboratory, *MW*, 1:15-4:10.

107. Genetics.

MR. MURPHY

A non-laboratory course covering modern developments in the study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems, and discussions. Prerequisite: one year of biological work. First semester, *MWF*, 8.

108. Bionomics.

MR. HILTON

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to those who have had a year of biological work. May be taken in place of Zoology 161 for three hours. Second semester. 2 units. *MW*, 1:15-4:10.

The scientific collections and library available at Claremont Colleges, as well as the geographic location, make desirable certain types of work for the master's degree, particularly in Entomology, Neurophysiology, certain phases of marine and desert Ecology, Anatomy, Invertebrate Morphology, Algae, and Plant Taxonomy.

Botany

Field Botany.

MR. MUNZ

An elementary non-technical course in local flora, with much field work. No prerequisite. Laboratory fee, \$3.00. Second semester. 2 units. Class, *S*, 8; laboratory, *F*, 1:15-4:10. (Omitted in 1941-1942).

52b. General Botany

MR. MUNZ

An elementary course for those wishing general information concerning plants and their importance to men, as well as foundation work in botany. Special attention will be paid to the plant as a living organism and to its propagation, to field work on ornamentals and natives, and to a survey of the plant kingdom. No prerequisite. Laboratory fee \$5.00 each semester. Class, *TTh*, 10; laboratory, *T* 1:15-4:10.

52. Plant Physiology.

MR. MUNZ

A study of physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching of biology, and for botany majors. Prerequisite: Botany 52. Laboratory fee, \$8.00. Breakage deposit, \$5.00. First semester. Class arranged; laboratory, *W*, 1:15-4:10. (Omitted in 1941-1942).

155b. Taxonomy.

MR. MUNZ

Study of our local flora and more common cultivated ornamentals. Principles and methods of classification and taxonomic work. Much field work with trips to desert, mountain, and shore for study of plants in their native conditions. Prerequisite: Botany 52. Laboratory fee, \$7.00 each semester. Alternates with 157. First semester. Class, *A*; laboratory, *M*, 1:15-4:10. Second semester. Class, *A*; laboratory, *MW*, 1:15-4:10.

157b. Anatomy and Comparative Morphology of Green Plants.

MR. MUNZ

The anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories, evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Botany 52. Laboratory fee, \$7.00 each semester. Alternates with 155. Class arranged; laboratory, *M*, 1:15-4:10. (Omitted in 1941-1942).

Botanical Problems.

MR. MUNZ

Special work, largely individual, and primarily for majors in the department. Each semester. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. Laboratory fee, \$2.00 per unit of credit. Arranged.

Zoology

53a, 53b. Physiology.

MR. PEQUEGN

The functions of animals, with special reference to the human body. Prerequisite: Biology 1. Laboratory fee, \$6.00 each semester. Breakage deposit \$15.00 per semester. Class periods, *MF*, laboratory, *F*, 1:15-4:10.

54. General Zoology.

MR. HILT

An outline of the animal kingdom, vertebrates and invertebrates, structure and classification. Prerequisite Biology 1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the department. Laboratory fee, \$8.00. First semester. 2 units. Class, *TTh* 8; laboratory, *TTh* 1:15-4:10.

56. Field Zoology.

MR. PEQUEGN

An elementary non-technical course in natural history of local vertebrates. Largely field work, dealing with recognition of common forms, life histories, food habits and ecological factors in distribution. No prerequisite. Laboratory fee, \$3.00. Second semester. 2 units. Class *T*, 9. Laboratory, *Th*, 1:15-4:10.

115. Comparative Anatomy.

MR. PEQUEGN

A study of the structure of vertebrates. Prerequisite: Zoology 54. Laboratory fee, \$8.00. First semester. Four units. Class, *TTh* 8; laboratory, *TTh*, 1:15-4:10.

116. Human Anatomy.

MR. PEQUEGN

A course designed to meet the requirements of majors in physical education. Prerequisite: Biology 1 and Zoology 53. Laboratory fee, \$6.00. Second semester. Class, *W*, 8; laboratory, *MW*, 1:15-4:10.

117. Embryology.

MR. HILT

A study of early development and the formation of organs, with especial reference to vertebrates. Prerequisite: Zoology 4. Laboratory fee, \$8.00. Second semester. Four units. Class, *Th* 8; laboratory, *T*, 1:15-4:10 and three hours to be arranged.

118. Entomology.

MR. HILT

A general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Zoology 54. Laboratory fee, \$6.00. Second semester. Class, *T*, 10. Laboratory arranged.

119. Systematic Vertebrate Zoology.

MR. PEQUEGN

Consideration of problems involved in systematic vertebrate zoology such as life histories, distribution, migration, general habits, groups of local as well as more general types. Including class work as well as laboratory and field work. One class, one laboratory periods. Prerequisites: Field Zoology or General Zoology. Laboratory fee, \$6.00. First semester. (Omitted in 1941-1942).

53. Histology.

MR. HILTON

The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology 53 or 54. Laboratory fee, \$8.00. First semester. Class, *T, 9*. Laboratory by appointment. One class, two laboratory periods.

54. Neurology.

MR. HILTON

A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. Prerequisite: Zoology 153. Laboratory fee, \$6.00. Second semester. Class *T, 9*. Laboratory by appointment. One class, two laboratory periods.

1. Zoological Literature.

MR. HILTON

Reviews of important contributions in all fields of recent Zoological literature. Open to Juniors and Seniors. Second semester. May be repeated for credit. 1 unit. *F. 8*.

3. Zoological Problems. MR. HILTON AND MR. PEQUEGNAT

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy or Embryology and have had Sophomore work in Zoology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Either semester, 1 to 3 units. May be repeated for credit. Laboratory fee, \$2.00 per unit when Laboratory work is involved. Arranged. Conference hour sometime during the following hours. *MW, 9-11; TTh, 9-10*.

The Department of Zoology conducts summer work at the Laguna Beach Marine Laboratory, Professor W. A. Hilton, Director.

Chemistry

NON-TECHNICAL COURSES

1b. A Survey of Chemical Science.

MR. TYSON

For students who do not have in mind a scientific career, but wish to gain some knowledge of the physical sciences as part of a general education. By confining the scope of study to one field, effort is made to give the student satisfactory depth of understanding of scientific method and the philosophy of science. During the second semester emphasis is laid on the place of chemistry in human affairs. No laboratory work is required. Fee, \$2.00 each semester to defray expenses of lecture demonstrations. *4FW, 10*.

114a-114b. Nutrition and Foods. MR. ROBINSON, MISS FRA

A survey of present-day knowledge of the nutritional factors necessary for optimum health, the various classes of food-stuffs and their nutritional value, the food budget, purchasing, and planning the dietary to meet the requirements of different individuals and groups. No prerequisite. 2 units. *TTh*, 8.

FOUNDATION TRAINING FOR SCIENCE STUDENTS

Note: A comprehensive foundation in chemistry is required for majors in chemistry and in the biological-chemical field, for pre-medical students and for some other fields of scientific work. Such a foundation includes courses in inorganic, analytical and organic chemistry, with elementary physical-chemical principles applied in all of these branches. The student may complete the foundation work in two years or in three years, as he prefers.

	First Year	Second Year	Third Year
Two Year Program:	53a-53b 55a, 55b	103a-103b 57, 105	
Three Year Program:	53a-53b 54a-54b	57, 55b	103a-103b 104a-104b

Students who have a professional objective requiring only one year of chemistry should find out whether qualitative analysis should be included. If so, registration should be for 53a-53b and 55a, 55b (10 units). Those to whom qualitative analysis is not important should register for 53a-53b and 54a-54b (8 units).

53a-53b. Inorganic and Elementary Theoretical Chemistry.

MR. ROBINSON

Lectures, demonstrations and discussions in which attention is given to the philosophy of the scientific method and to the significance of scientific developments in human affairs, as well as to the more technical aspects of the science of chemistry. Special provision is made for those who have not had secondary school chemistry. This course is to be accompanied by a laboratory course, either 54 or 55. *TThS*, 9.

54a-54b. Laboratory Studies in General Chemistry.

MR. ELLIOTT

Concurrent with 53. 1 unit each semester. Laboratory fee, \$6.00 each semester. Breakage deposit \$10.00 per semester. Laboratory, *T* or *W*, 1:15-4:10.

55a, 55b. General Chemistry Laboratory and Qualitative Analysis.

MR. TYSON

Concurrent with 53a-53b; or 55b may be taken independently. The first semester covers the same ground as 54a-54b; 2 units. The second semester is laboratory practice in systematic selective micro qualitative analysis; 2 units. Laboratory fee, \$10.00 each semester. Breakage deposit \$10.00 per semester. Laboratory, *TTh*, 1:15-4:10.

Elementary Quantitative Analysis.

MR. ELLIOTT

The principles of quantitative analysis and chemical calculations. Laboratory practice in the simpler gravimetric and volumetric methods. Prerequisite: One year of college chemistry with laboratory. Laboratory fee, \$10.00. Breakage deposit \$15.00. First semester. Class, S, 8; laboratory, *WF*, 1:15-4:10.

103b. Organic Chemistry.

MR. ROBINSON

Lectures, demonstrations and discussions, relating to the chemistry of carbon compounds, including a survey of physical-chemical fundamentals and their application in this field. Practical developments of organic chemistry are stressed. It is expected that laboratory work (104a-104b or 105) shall be concurrent with this course. Prerequisite: At least one year of college chemistry, including laboratory work. *MWF*, 11.

104b. Laboratory Methods of Organic Chemistry.

MR. ROBINSON and ASSISTANTS

Reactions and syntheses of carbon compounds. 1 unit each semester. Laboratory fee, \$6.00 each semester. Breakage deposit \$10.00 per semester. Laboratory, *T* or *W*, 1:15-4:10.

Laboratory Methods of Organic Chemistry.

MR. ROBINSON and ASSISTANTS

For students who wish to take Chemistry 57 the first semester. Covers in one semester the same work done in 104a-104b. Laboratory fee, \$12.00. Breakage deposit \$20.00. Second semester, 2 units. Laboratory, *TW*, 1:15-4:10.

Advanced Quantitative Analysis.

MR. ELLIOTT

A continuation of Chemistry 57 for those students who wish to gain a more comprehensive knowledge of the theory and practice of quantitative analysis. Conferences will be held during laboratory periods. Laboratory fee, \$10.00. Breakage deposit, \$15.00. Second semester. Three laboratory periods, *WF*, 1:15-4:10 and arranged.

ADVANCED COURSES FOR STUDENTS CONCENTRATING IN CHEMISTRY AND BIOCHEMICAL SCIENCES

155b. Biological Chemistry.

MR. TYSON

The chemistry and physical chemistry of materials important in plant and animal organisms, and chemical aspects of the life processes of organisms. Most of the laboratory experiments employ quantitative technic. Prerequisite: General, analytical and organic chemistry. Laboratory fee, \$6.00 each semester. Breakage deposit \$10.00 per semester. Class, *WF* 9; laboratory, 1:15-4:10.

159a, 159b. Physical Chemistry.

MR. ELLI

A general review of the fundamental physico-chemical concepts and principles with numerous illustrative problems, and laboratory practice in physico-chemical measurements. Prerequisites: For the first semester, a Junior course in either chemistry or physics; for the second semester, differential and integral calculus are also required. Laboratory fee, \$8.00 each semester. Breakage deposit \$10.00 each semester. Class, *TTh 10*; laboratory, *M, 1:15-4:10*.

160. Crystal and Molecular Structure.

MR. ELLI

Theoretical and practical work in the analysis of the structure of crystals by means of X-Rays. May be taken as a continuation of Geology 105. Prerequisites: A Sophomore course in mathematics and a Sophomore course in either chemistry, geology, or physics; also the consent of the instructor is required. 2 units. Laboratory fee, \$2.00. No breakage deposit required. Second semester. (*Omitted in 1941-1942*).

181a, 181b. Chemistry Conference.

THE ST

Oral or written reports by students, on material found in recent chemical literature; discussions of research methods, trend of present-day research, and recent developments in theoretical and applied chemistry. Each semester. One unit. May be repeated for credit. *M, 1:15*.

183a, 183b. Methods in Chemistry.

THE ST

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, or inorganic chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of such course and written reports are required. Prerequisites: Analytical or organic chemistry and consent of instructor. 2 or 3 units. First semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

191a, 191b. Research in Chemistry.

THE ST

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or inorganic chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 2 or 3 units. Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

GRADUATE WORK in History of Chemistry as well as in a considerable range of specialized fields of Chemistry is available under the auspices of Claremont Colleges.

Classics

GREEK

a-51b. Elementary.

MR. ROBBINS

First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature; Book I of Homer's Iliad. (*Omitted in 1941-1942*).

1a, 101b. Selections from Greek Literature.

MR. ROBBINS

MWF, 1:15.

LATIN

1b. Elementary.

MR. ROBBINS

An introductory course in the rudiments of the Latin language. MWF, 11.

a-53b. Cicero, Pliny and Horace.

MR. ROBBINS

Cicero, De Senectute; Pliny, Selected Letters; study of the life and times of the late Roman republic and early empire. Horace, Odes and Epodes; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. TThS, 9.

a-105b. Composition.

MR. ROBBINS

Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be re-elected with credit and is required of students majoring in Latin. One unit. Arranged.

a, 106b. Masterpieces of Greek and Roman Literatures

in Translation.

MR. ROBBINS

Extensive readings in the literatures of Greece and Rome through the medium of English translation as a basis for the study of classical civilization and culture. The influence of the classics upon English and other modern literatures is stressed. No knowledge of Latin and Greek languages is required. TThS, 8.

a, 107b. Roman Comedy and Elegy.

MR. ROBBINS

Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. MWF, 8.

a, 159b. Roman History and Biography.

MR. ROBBINS

Two sequences of readings are offered in alternate years: a, Roman philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for credit in successive years. In 1941-1942 sequence a. MWF, 3:15.

GRADUATE WORK in Roman Literature is offered under the auspices of Claremont Colleges.

Economics

5a-5b. Accounting.

MR. N

A study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. *MF*, 11, and *T* or *W*, 4:05.

51a-51b. Principles of Economics.

MR. DUNC

The basic course in the general principles of Economics, including current problems. Required for students expecting to emphasize the study of Economics and prerequisite for advanced courses in Economics. Not open to Freshmen. Economics 51 prerequisite for Economics 51. Two sections. *MWF*, 8, 9.

103. Money and Banking.

MR. N

Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to supply a society with adequate media of exchange. First semester. *TTh*

105. Corporation Finance.

MR. DUNC

Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including some study of cooperative organizations. Prerequisite: Economics 5, or equivalent training in Accounting. First semester. *TThS*, 8.

106. Public Finance.

MR. DUNC

Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Second semester. *TThS*, 8.

107. Economic Problems of Latin America.

MR. DUNC

A study of the economic and cultural problems of the Latin American countries, with attention to economic resources, industries, commercial relations, and recent socio-economic changes. Previous courses in Economics and a working knowledge of Spanish desirable, but not prerequisite. First semester. *MWF*

120. Public Utility Economics.

MR. N

An historical and analytical study of public utility problems in the United States. Illustrative material is drawn from the railroads, water, gas and electric utilities, but particular emphasis is placed upon the economics of overhead costs, the role of competition and regulation. Second semester. *MWF*, 10.

153. International Economic Policies.

MR. CON

A study of the basic factors in international economic relations and conditioning the formulation of international economic policies. A survey of mercantilism, liberalism, socialism, industrialism, nationalism and imperialism, emphasizing international

economic aspects. International economic adjustments subsequent to the World War, and international economic factors in depression. Commercial treaties. First semester. Permission of instructor required. Arranged.

4. Principles of International Trade.

MR. NESS

A study of the nature and principles of international economic relations. An analysis of the balance of payments and the processes of its equilibrium is followed by a study of the course and theory of the commodity trade and the movement of capital and labor from country to country. Second semester. *TThS*, 9.

7. Economic Problems of the Orient.

MR. DUNCAN

A study of the economic, social and political problems of the Far East with special reference to current conditions in China. Enrolment restricted to seniors expecting to concentrate in Social Science and to others by special consent of instructor; previous courses in Economics not prerequisite. First semester. (*Omitted in 1941-1942*).

8. Monopolies and Trusts.

MR. BURGESS

A study of the economic principles and the legal status of monopolies. First semester. *MWF*, 9.

9. History of Economic Thought.

MR. COONS

A survey of the development of economic science and policy from the forerunners of the classical school to the present day. Second semester. Permission of instructor required. Arranged.

10. Economic Theory.

MR. NESS

A systematic study of the theoretical tools of analysis used in the consideration both of the economic system as a whole and the particular problems which arise within it. First semester. *MWF*, 10.

11. Economic Cycle Theory.

MR. DUNCAN

An introduction to the general problem of economic change and the theory of cycles. The course includes an explanation of the simpler statistical methods employed in cycle analysis and particular attention is given to the phenomena of the depression period of the '30's and various proposals for the control of cyclical movements. Business barometers and the problems of forecasting economic change. Mathematics 58 or equivalent training in statistics is recommended before enrolling in this course. Second semester. *MWF*, 11.

Education

53. Introduction to Education.

MR. F.

A course designed for those who desire an understanding of American school system. The outstanding problems of present day education are examined and certain approaches to a solution of these problems are discussed. This course or equivalent is prerequisite for all other courses in Education. First semester *MWF*, 9. Second semester, *TThS*, 9.

104a, 104b. History of Education.

MR. F.

The development of educational theory and practice from the Greek period to the present, with an attempt during the second semester to make a comparison of the established system in America and typical European countries. History 1 or equivalent recommended as a prerequisite. 3 or 4 units. A registration of 4 units requires permission of the instructor. Prerequisite: Education 53. *MWF*, 11 and arranged.

187. Problems of Education.

MR. F.

Stress is placed upon current educational problems and literature, especially in the field of college and university education. Students may consider individual problems. Instructor's permission required for registration. Second semester. *A*.

A wide range of graduate work in Education leading to the various credentials as well as to the degree of Master of Arts is offered under the auspices of Claremont Colleges.

English

Writing is an emphasized feature of all Freshman and Sophomore courses. Persons who plan to concentrate in English should complete Reading List I before the beginning of the Junior year.

1a, 1b. English: An Introductory Course.

THE DEPARTMENTAL STAFF

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the most important literary types; instruction and practice in writing. Prerequisite for all other departmental courses. Men: in section meetings *TThS*, 8. Women: in section meetings *MWF*, 8.

55a, 55b. Nineteenth Century Literature.

MR. ANGEL

Intensive reading of the major poets and prose-writers of the period, with collateral reading of selected novels. In the course emphasis will be given to literature as (1) an artistic expression of the life, thought, and character of the individual writer and as (2) a reflection of the important intellectual, social, and historical movements of the century. Juniors and seniors must register for the course only on the written recommendation of the instructor. *MWF*, 9.

Types of Prose Fiction. MR. MULHAUSER and MR. HOLMES
A general survey of important works in prose fiction with emphasis upon the development and recurrence of significant phases within the type, such as tale, romance, novel. Two sections. Second semester. *MWF, 10.*

Introduction to Drama. MR. DAVIS
Great plays of various periods from the classic Greek to the present day; as extensive reading as time will permit. First semester. *MWF, 10.*

, 61b. **Character Presentation in Dramatic Literature.**

MRS. ALLEN
An approach to dramatic literature through the actor's art with some consideration given to the history of theatre practice and contemporary production methods. Scenes from plays, both classic and modern, will be studied with special emphasis on effective interpretation. Instructor's permission required for registration. *TThS, 10.*

English Composition. MR. ANGELL AND MR. HOLMES
The fundamentals of effective expression in writing, with considerable attention to the composition of the "course paper." First semester. Two sections. *TThS, 9.*

Advanced Composition. MR. LINCOLN
A course for students who have mastered fundamentals. Prerequisite: A degree of distinction in Course 63 and the permission of the instructor. Second semester. *TThS, 9.*

ADVANCED COURSES

A substantial acquaintance with the books of Reading List I is most desirable as a preliminary to registration in Junior or senior courses.

, 101b. **The Renaissance in England.** MR. STRATHMANN
English literature of the Renaissance, dramatic and nondramatic. Shakespeare, Bacon, and Milton are the principal writers studied, and the enduring contributions of the Renaissance to English literature, in thought, forms, and materials, are a major topic. *TThS, 9.*

, 103b. **Literature of the Eighteenth Century.**

MR. MCCULLEY
The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and on the Continent. *MWF, 9.*

105a, 105b. American Literature.

MR. LINC

The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. *TThS*

111. The Short Story.

MR. MULHA

Practice in supervised writing of short stories. Study of significant short stories. First semester. *TThS*, 9.

112. Playwriting.

The theory of playwriting with supervised practice in this technique. A study will be made of the structure and style of significant plays for their light on the problems of the beginning playwright, Second semester. *TThS*, 9. (*Omitted in 1942*).

151. Creative Writing.

MR. LINC

Supervised practice in all forms of creative writing. Study of matters and fields of literary interest. First semester. *T*, 3:05, and *F*, 1:15.

153. Chaucer.

MR. LINC

A study of Chaucer as the outstanding narrative and dramatic poet of the transition from the medieval to the modern world. First semester. *MWF*, 9.

154. The English Language.

MR. STRATHM

A survey of the English language from Chaucer to the present day, directed toward an understanding of modern English usage. Topics studied include changes in punctuation, vocabulary, grammar, and syntax; problems in modern English usage; and critical theories of language in relation to literature. The course is recommended especially, but not exclusively, for prospective teachers of English. Second semester. *MWF*, 9.

155a, 155b. Shakespeare.

MR. FRAMIC

A study of the principal plays. *MWF*, 11.

159. The Seventeenth Century.

MESSRS. ANGELL, GLEA

JONES, STRATHM

A seminar consisting of lectures and reports on selected topics in seventeenth century thought studied from the points of view of history, philosophy, and literature. The topics may vary annually to suit the needs and interests of the students enrolled. Likely topics for 1941-42 are: toleration, political democracy, rationalism, theories of poetry, Hobbes, Milton. Second semester. *T*, 7:30-9:30 p.m.

191a, 191b. The Great Victorians and Their Successors.

MR. DAVIS, MR. MULHA

Recent literature in English considered as an outcome of nineteenth century backgrounds and main currents of modern thought. The first semester of the course comes to a focus on Arnold and Hardy; the second culminates in the literary activities of our own day. Prerequisite: English 55 or an equivalent with permission of the instructor. *TThS*, 9.

5a, 195b. The Development of English Literature.

MR. STRATHMANN

A seminar consisting of lectures, readings, papers, and oral reports directed toward a synthesis on the student's part of his work in the field of literature and allied subjects. The content of the course may vary annually according to the needs and interests of the students enrolled. Open to seniors majoring or taking honors in English. Arranged.

The opportunity for graduate work in English provided by the colleges of the Claremont group is quite extensive. In the way of literature and literary history it includes the more important authors and movements from Chaucer's time to the present day. There are offerings too, though considerably more limited, in the English language and creative writing. The student who purposes to go on into graduate study is advised to plan his whole course from at least as early as his junior undergraduate year.

French

See Romance Languages and Literatures.

Geology

51b. Introductory Geology.

MR. WOODFORD

Dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Laboratory fee, \$3.00 each semester. Class, *WF*, 8; laboratory, *W* or *Th*, 1:15-4:15.

Determinative Mineralogy.

MR. WOODFORD

Prerequisite: High school chemistry or equivalent. First semester. Two laboratory periods. 2 units. Laboratory fee, \$4.00. Arranged.

Crystallography.

MR. WOODFORD

Must be preceded or accompanied by Geology 53, unless taken upon the recommendation of the Department of Chemistry or of Physics. First semester, 2 units. *WF*, 10.

Petrology.

MR. WOODFORD

The study of rocks without the microscope. Prerequisite: Geology 51a, 53 and 105. Second semester. Two class and two laboratory periods. 4 units. Laboratory fee, \$4.00. *WF*, 10.

-107b. Invertebrate Paleontology.

MR. WOODFORD

Prerequisite: Geology 51b; recommended preparation: Biology 52a. Two class and one laboratory periods, first semester; one class and two laboratory periods, second semester. Laboratory fee, \$6.00 each semester. Given alternate years. Arranged.

151a-151b. Petrography.

MR. WOOD

Refraction and double refraction; the optical indicatrix; s of minerals and rocks with the petrographic microscope. requisite: Geology 105. Two class and one laboratory pe first semester; one class and two laboratory periods, second semester. Laboratory fee, \$5.00 first semester; \$8.00 second semester. Given alternate years. Arranged.

181, 182. Geological Investigation and Research.

MR. WOOD

3 units. Laboratory fee, \$4.00 each semester. Arranged.

A summer course in Field Geology offered by Stanford University is open to Pomona students who have completed Geology 105 and 110. 10 units of Junior credit are given for this course.

GRADUATE WORK in Geology with special reference to Petrography is offered under the auspices of Claremont Colleges.

German

1a-1b. Elementary German.

MISS WAG

The acquirement of a small working vocabulary. Constant training, and as much practice in speaking as time permits. Exercises in reading and writing. The essentials of grammar. Etymology. Comment on German life and literature. *MWF, 9.*

53a-53b. Advanced German.

MR. BAUM

More advanced German language study through intensive reading and discussion of selected German works, with considerable extended reading in the field of the students' individual interests. Continued practice in German conversation. Some attention to an understanding of the cultural life of Germany, Austria, and Switzerland. Prerequisite: German 1 or an equivalent. *TTThS, 10.*

102a, 102b. Conversation and Composition.

MISS WAG

Intensive drill in written and oral expression; free composition and dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation. Prerequisite: German 53 or equivalent. *MWF,*

109a, 109b. German Literature of the Nineteenth Century.

MR. BAUM

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German 53 or equivalent. *TTThS, 10* and Arranged.

a, 113b. German Classics of the Eighteenth Century.

MR. BAUMANN

A study of the outstanding works and personalities of the period with particular attention to the social and political life of Germany. *TThS*, 10 and arranged. (*Omitted in 1941-1942*).

a, 158b. Modern German Literature.

MR. BAUMANN

The development of German Literature from 1880 to the present with reference to the political and social changes during that period. Arranged.

Under the auspices of Claremont Colleges graduate work is offered in various phases of German Literature with special emphasis on the modern field.

Government

INTRODUCTORY COURSES

2b. Modern Governments.

MR. SAIT

First semester: American Government, with emphasis upon national institutions. Second semester: European governments, with emphasis upon British and French institutions. *TThS*, 9.

54b. The State.

MR. KIRKWOOD

First semester: An inquiry into the human and environmental forces which underlie, supplement, and limit the working of the political institutions to be considered in 54b. An attempt will be made to assess the rational and irrational elements in the obedience of citizens and the stability of States.

Second semester: A study of the major political institutions evolved by man in the course of governing himself and his fellows. Attention will be given to the contrasting solutions afforded by democracy and dictatorship. Prerequisite, 2a, 2b. *MWF*, 10.

ADVANCED COURSES

Open to students who have taken nine units of the introductory courses or who have received the written consent of the instructor.

Municipal Government.

MR. KIRKWOOD

The problem of local self-government viewed from the standpoint of administration, political control, and the changing pattern of social and economic life. Typical solutions in the United States and Europe will be examined, and the student will apply the general principles evolved to a particular study of that town or city which interests him most. First semester. *MWF*, 9.

104. Administration.

MR. KIRK

The growth and mechanism of the modern service-State, special reference to the theory and practice of responsible reaucracy, as developed in the United States and abroad. Second semester. *MWF*, 9.

105a, 105b. Introduction to Law.

MR. BUR

The first semester will be devoted largely to a study of jurisprudence; the second semester to the development of American law and legal institutions with some analysis of the rights and liabilities arising from the more common legal relations. Either semester may be taken without the other. *MWF*, 8.

108a, 108b. International Relations.

MR.

In the first semester the main subjects of discussion will be economic discords and harmonies, the cause and effect of methods of adjusting disputes, international co-operation, peace movement, and the League of Nations. The second semester will be devoted to a survey of international law—its nature, sources, and content. *TThS*, 8.

152a-152b. Public Opinion.

MR. KIRK

First semester: Fundamentals. Individual and group opinion, the setting for political action. The origin, nature, and measurement of this opinion, and the possibility of controlling it through propaganda and other pressures with reference to outstanding examples both here and abroad.

Second semester: Problems. There will be reports, discussion and criticism, but no lectures and no examination. Each student will apply the principles and techniques derived from the first semester to two projects: (1) a preliminary investigation of some topic for all alike, chosen by the instructor, and (2) a special investigation of any other topic chosen by the student and approved by the instructor. *MWF*, 11.

153. Political Institutions.

MR.

A comparative survey of the agencies through which the government of the state is carried on: executive and legislative, their mutual relations, the role of parties, the suffrage and systems of election, law, civil service and bureaucracy. First semester. *TThS*, 10.

154. Constitutional Law.

MR. BUR

An examination of the Constitution of the United States, the decisions of the Supreme Court upon questions arising thereunder. Second semester. *MWF*, 9.

156. Political Parties.

MR.

Their role in a democracy; their relation to the electorate, public opinion, and pressure groups; how they are organized and financed; how they nominate candidates and fight campaigns. While attention will focus upon the American scene, phases of foreign practice will be noted, especially regarding the conduct of elections. Second semester. *TThS*, 10.

. Contemporary Far Eastern Government
and Politics.

MR. FAHS

For description see Oriental Affairs 161.

Attention is called to the following course given outside the department: Philosophy 132, Types of Political Theory.

READING COURSES IN HONORS

These courses consist of assigned reading and the preparation of essays. Normally they carry, in each case, three units; under exceptional circumstances and only in the senior year, six units; and for summer reading, one to three units, according to the extent of the completed program. The essays are read before the whole group of candidates for honors, which meets every Thursday evening, with members of the faculty in attendance. These members are: Messrs. Burgess, Fahs, Gleason, W. T. Jones, Kirkwood, and Sait of Pomona College; and Mr. Bergtraesser of Scripps College.

, 142. Political Thought from Plato to Bentham.

, 192. Topics for each semester, to be approved by the department.

History

b. The Development of Western Civilization.

MR. PITMAN, MR. GLEASON, MR. KEMBLE

The evolution of civilization in Europe from antiquity to the close of the French Revolution, and its spread throughout the world. Attention is paid to the political, religious, intellectual, and economic forces of change. The aim is to lay a foundation for the understanding of contemporary problems. This course or its equivalent is normally a prerequisite for advanced courses in history. Three sections. *MWF*, 9, Mr. Pitman and Mr. Kemble; *TThS*, 9, Mr. Gleason.

55b. History of the United States.

MR. KEMBLE

The political, cultural and economic development of the United States from its beginnings as an outpost of European expansion to a position of independence and world influence. *MWF*, 8.

56b. The Development of Oriental Civilization. MR. FAHS
For description see Oriental Affairs 56.

103b. History of China.

MR. CHEN

For description see Oriental Affairs 103.

107a-107b. English History.

MR. PITMAN

The development of the main features of civilization in England and the British Empire. Emphasis is laid upon the evolution of religious, intellectual, and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. First semester, Great Britain since 1660; second semester, Great Britain and the Empire since 1660. *MWF, 11.*

109. The Expansion of Europe, 1400-1825.

MR. KEMBLE

The maritime and colonial activities of Portugal, Spain, France, Great Britain and the Netherlands in the early modern period. A comparison of the aims, methods and results of overseas colonization. Consideration is given to the background and achievement of independence in the Americas. First semester. *MWF, 11.*

113a-113b. The History of Modern Europe.

MR. GLEASON

Europe from the beginning of the French Revolution to the Peace of Versailles. Political, economic, social, and intellectual developments will be studied with reference both to their intrinsic significance and to an understanding of present-day Europe.

The course will conclude with a brief consideration of the events of the last two decades. Open to sophomores who satisfy the instructor of the adequacy of their preparation. *TThS, 10.*

114. The Intellectual and Social History of America to 1860.

MR. MARTIN

A study of civilization in the United States in which historical events are viewed from the standpoint of their cultural significance, and of their social and intellectual causes. Important individuals and social movements are subjected to philosophical criticism, and there is a psychological study of past and present crowd tendencies. First semester. *WF, 2:15-3:45.*

157. Representative Historical Personalities.

MR. GLEASON

The purpose of the course is the study of a number of significant historic figures with relation to the societies in which they lived, and the evaluation and comparison of their influences upon their own and upon subsequent times. Original materials will be used as far as possible and the work of the course will include discussions and essays. Four or five of the following will be chosen: Pericles, Caesar Augustus, St. Bernard, St. Francis, Henry VIII, Richelieu, Colbert, Frederick the Great, Gladstone. First semester. *T, 2:15-4:45.*

8. Topics in the History of Modern Europe. MR. GLEASON

The course will study more thoroughly than is possible in History 113 certain aspects of the evolution of Europe in the nineteenth century. The topics will be selected in accordance with the particular interests of the members of the class. There will be lectures and more informal discussions. Each student will be expected to work on several topics, making use of original material so far as possible. The course will be open only to those who have taken, or are taking, History 113, or have had equivalent preparation. Second semester. *T*, 2:15-4:45.

9. The Seventeenth Century.

MESSRS. ANGELL, GLEASON, JONES, STRATHMANN

For description see English 159.

10. History of Far Eastern Diplomacy.

MR. FAHS

For description see Oriental Affairs 160.

11a, 166b. Medieval Civilization.

MR. PITMAN

A study of the institutions, economic and social structure, religion and art of Europe, mainly in the twelfth and thirteenth centuries. Lectures, and discussions of reports on topics of particular interest to members of the class. Prerequisite: History 1 or an equivalent preparation. *T*, 3:15-5:45.

166a, R166b. Readings in Medieval Civilization

MR. PITMAN

For honors students concentrating in history, to accompany History 166a, 166b. Weekly conferences. Arranged.

12. History of Western America and the North Pacific.

MR. KEMBLE

The exploration and settlement of the area, the evolution of political, cultural and economic institutions, and the opening of routes of land and oceanic communication. Splendid facilities for advanced work in this field are offered by the Henry R. Wagner Collection of History and Cartography of the North Pacific and the Mason Library of California and Western American History. Second semester. Arranged.

HONORS

Any student admitted to honors in the Social Sciences with History as his major field of concentration will, in addition to the program of readings and conferences arranged with the member of the department who acts as his adviser, participate in a pro-seminar group. This will be made up of the departmental faculty and students in the department, and will meet for the presentation of reports and discussion. Juniors will register for 141; seniors will register for 191.

141a, 141b. History and Historians.

THE DEPARTMENTAL ST

A consideration of the theory and interpretation of his through the reading of a selected group of great histor classics, and a study of the development of historiogra Arranged.

191a, 191b. Selected Topics for Historical Investigation.

THE DEPARTMENTAL ST

Arranged.

Mathematics

1a, 1b. Introduction to College Mathematics.

DEPARTMENTAL ST

The objective of this course is to prepare students for wor calculus the following year. The subject matter covered particular students will be adjusted to meet their needs as denced by their previous preparation. Prerequisite to fun work in the department, except Math. 57 and 58. To be off at two periods and in two sections in each period. *TThS MWF, 10*

57. Mathematics of Finance.

MR. JAM

Interest, annuities, amortization, depreciation, and an intro tion to the mathematics of life insurance. No prerequisite. semester. *MWF, 9.*

58. Statistical Methods.

MR. JAM

Graphs, averages, frequency distribution, probability, correla index numbers. No prerequisite. Laboratory fee \$1.00. Sem semester. *MW, 9, laboratory, F, 1:15-4:10.*

S61. Surveying.

MR. TAY

Use and adjustment of surveying instruments. Methods of a ing and mapping surveys for various purposes. Given di summer session at the Bluff Lake Camp of Pomona College. prerequisite: Plane trigonometry. 6 units.

65a, 65b. Differential and Integral Calculus.

MR. TAYLOR and MR. HAMIL

A continuation of Mathematics 1. *MWF, 9, TThS, 9.*

67. Plane Analytic Geometry.

MR. TAY

A study of the straight line, conic sections, higher plane cv and their properties. Prerequisite: Math. 1. First sem te *MWF, 11.*

110. Solid Analytic Geometry.

MR. TAY

Planes, curved surfaces, and space curves. Also a brief ea ment of spherical Trigonometry. Prerequisite: Math. 67. ie ond semester. *MWF, 11.*

a, 119b. Higher Algebra and Theory of Equations.

MR. JAEGER

Theory and solution of higher algebraic equations and other advanced topics in algebra. *TThS*, 8.

a, 151b. Differential Equations.

MR. JAEGER

A general course in the theory and solution of differential equations. *MWF*, 8.

a, 152b. Advanced Calculus.

MR. HAMILTON

A brief introduction to Taylor's series, approximation by series, line and surface integrals, Fourier's series, complex variable, and related topics. *MWF*, 9.

. Selected Topics in Higher Mathematics.

DEPARTMENTAL STAFF

From time to time work in complex variable, projective geometry, differential geometry, number theory and mathematical physics will be given as the demand requires. 1 to 3 units. Arranged.

GRADUATE WORK in Number Theory, Differential Geometry, Real and Complex Variable is offered under the auspices of Claremont Colleges.

ENGINEERING DRAWING

b. Engineering Drawing.

MR. TAYLOR

beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. Laboratory fee, \$2.00 per unit. 1 or 2 units. *TWTh* or *F*, 1:15-10.

Engineering Drawing.

MR. TAYLOR

Continuation of 7b. Either semester. 1 or 2 units. Laboratory fee, \$2.00 per unit. May be repeated for credit. *TWTh* or *F*, 1:15-10.

Engineering Drawing.

MR. TAYLOR

descriptive geometry. Prerequisite Mathematics 7 or its equivalent. Either semester. 1 or 2 units. Laboratory fee, \$2.00 per unit. *Th* or *F*, 1:15-4:10.

112b. Engineering Drawing.

MR. TAYLOR

Elements of engineering design. 2 units. Laboratory fee, \$2.00 per unit. *TWTh* or *F*, 1:15-4:10.

Military Science

The College maintains an Infantry Unit, Senior Division, of Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students as leaders in time of national emergency. Students who successfully complete the four-year course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The courses include both classroom and outdoor instruction. Theoretical instruction covers the basic technical knowledge required of a lieutenant of the United States Army. Drill periods provide opportunity for the practical application of the theoretical instruction and for the improvement of the posture and physical coordination of the student. Special emphasis is placed on the development of the qualities of leadership. The poise acquired by the student and his practical experience in the art of command make him applicable in many walks of life.

The instructors in the department are officers of the Regular Army detailed for duty at the College by the War Department. Equipment provided includes rifles, automatic rifles, machine guns, a one-pounder gun, a Stokes mortar, and instruments for a 28-pound band. All students are given instruction in marksmanship. Ammunition for target practice is furnished without charge. Competitions are held and a rifle team selected for intercollegiate matches.

Students who have received training in a Junior R.O.T.C. may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of 1½ years Senior unit training. Application for advanced standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the school which the student attended.

The four year course is divided into the basic course, consisting of the first two years, and the advanced course consisting of the work of the third and fourth years. Enrollment in either course is voluntary but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligation for military service nor does it interfere with the participation in sports by the student. Uniforms for the basic course are issued without charge to the student.

Enrollment in the advanced course is limited to selected students who have completed the basic course or its equivalent and who enter into an agreement to attend one summer camp for a period of six weeks. Attendance at this camp is expected during the summer between the Junior and Senior years. Students enrolled in the advanced course are required to attend camp before graduation. In consideration of this agreement students receive, from the government, cash allowances equivalent to a scholarship of about \$5.00.

year. All necessary expenses in connection with the summer camp, including transportation to and from camp, are provided by government.

1b. First Year Basic Course.

COLONEL BAIRD

National defense; citizenship; military courtesy and discipline; rifle marksmanship; map reading; military policy of the United States; military organization; military hygiene and first aid; close and extended order drill and ceremonies. $1\frac{1}{2}$ units. 2 sections. Class, *M*, 8 or 9. Drill, *M*, 1:15-3:05.

-53b. Second Year Basic Course.

LIEUTENANT STEWART

Musketry; scouting and patrolling; infantry weapons; automatic rifle; combat principles of the rifle squad; drill and command. $\frac{1}{2}$ units. 2 sections. Class *S*, 10 or *F*, 1:15; Drill, *M*, 1:15-3:05.

a-105b. First Year Advanced Course. LIEUTENANT STEWART
Leadership; 37 mm. gun and Stokes mortar; machine guns; field fortification; automatic pistol; combat orders; marches and security; combat principles of the rifle section and platoon; interpretation of aerial photographs; drill and command. $3\frac{1}{2}$ units. 2 sections. Class *MWF*, 9 or 11. Drill, *M*, 1:15-3:05.

a-157b. Second Year Advanced Course. COLONEL BAIRD
Leadership; military history of the United States; military law; tanks and mechanized warfare; antiaircraft defense; signal communications; tactical problems in the command of rifle and machine gun companies and the howitzer platoon; drill and command, as platoon, company and battalion commanders. $3\frac{1}{2}$ units. 2 sections. Class, *TThS*, 8 or 9. Drill *M*, 1:15-3:05.

Music

THEORY AND APPRECIATION

a. Elementary Harmony.

MR. ALLEN, MR. SNIDER

Thorough grounding in the fundamentals of music through the mediums of hearing, singing, writing, and the keyboard. Study of major and minor modes; all diatonic triads, dominant seventh and super-tonic seventh chords and all non-chordal tones. Harmonic analysis of melodies. Four-part writing based on the techniques of the 17th and 18th centuries. Prerequisite, ability to play a simple hymn at the keyboard. An arranged laboratory hour each week, in addition to the regular class periods, is required of each student. *MWF*, 9 or 1:15, and *A*.

a 3b. Introduction to Music.

MR. DAYTON

A practical course in listening to music. Through a study of the basic forms the student is acquainted with a large repertoire of solo, symphonic, operatic, and chamber music, and with the men who composed it. 2 units. *MW*, 2:15 or 3:15.

55a-55b. Advanced Harmony.

MR. ALI

A study of part-writing technic as found in the Bach Chorales. Chromatic harmony and modulation. Instrumental style of the Classical School. Prerequisite, Music 1. An Arranged laboratory hour each week, in addition to the regular class periods required of each student. *MWF, 11 and A.*

104a-104b. History of Music.

MR. FLE

A general survey of the history of occidental music from the beginning of the Christian era. Prerequisite: Music 1. *TThS,*

107a-107b. Counterpoint.

MR. ALM

Preliminary work in free style for two and three voices is followed by the Inventions and Classical Suite forms. Choral Preludes and Variations are undertaken during the second semester. When time permits, an introduction to the Palestrina technic is offered. *TThS, 10.*

113a-113b. Orchestration and Instrumentation.

MR. BLANCH

A study of the instruments of the modern orchestra; their history, technical limitations and use in various groups; study of scores and the technique of scoring. Prerequisite: Music 5. *MWF, 8.*

158a-158b. Free Composition.

MR. ALI

Advanced original work in either the polyphonic or homophonic forms, according to the need and preparation of the student. *A*

159. Form and Analysis.

MR. BLANCH

Designed to lead to a clear understanding of the principles upon which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music 55. 2 units. *TTh, 8.*

APPLIED MUSIC

I. Class Instruction (No special fees).

(Enrollment for credit is limited to two courses at one time.)

57a, 57b. Choral Singing.

MR. LYAN

The study and production of choral music, especial attention being given to diction, phrasing, content of the works dealt with and an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and as such will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays from 11:30 to 12:00. 1 unit. The course may be repeated for credit.

a, 58b. Orchestra.

MR. FISKE

A study of major works of orchestral repertoire and application of the principles of orchestral routine through public performance. Two periods of attendance weekly; one unit credit. Additional sectional rehearsals at option of director. The course may be repeated for credit. *T* and *F*, 4:15.

a, 59b. Band.

MR. BLANCHARD

The study and production of the best in concert band repertoire. Two periods of attendance weekly (also one hour of drill on Saturday at 11:00 during football season); one unit credit. The course may be repeated for credit. *M* and *W*, 4:15.

Individual Instruction.

SPECIAL FEES

	Per Semester
For those paying regular tuition:	
One-half hour private lesson per week	\$45.00
Each half-hour in excess of one per week	40.00
For those carrying less than ten hours of college work, exclusive of work in applied music:	
One-half hour private lesson per week	60.00
Each half-hour in excess of one	40.00

PRACTICE FEES

PIANO, one half-hour daily, \$3.50; one-hour daily	\$6.00
PIANO ORGAN, one hour weekly	5.00
PIANO-MANUAL PRACTICE ORGAN, one hour weekly	2.00
PIANO ORGAN, one hour daily	6.00
VIOLIN, CELLO, FLUTE, ETC., room without piano, one hour daily	1.50

CREDIT FOR APPLIED MUSIC

Credit for work in Applied Music is granted to all students who have satisfactorily completed the examinations in their respective subject. All students desiring credit for their work in applied music must perform first before the Examining Committee to demonstrate that they have had sufficient previous training to qualify them as eligible for credit in applied music. Students who are continuing music study or who have had inadequate study to qualify for credit will be placed in the Preparatory division to study without credit until they are able to satisfy the requirements of the Examining Committee. These qualifying examinations are given in September of each college year. The required examinations for credit in applied music are given in June of each college year.

To receive credit applied music must be accompanied or preceded by first year harmony, Music 1. Credit for more than a year of applied music study must be accompanied or preceded by second year harmony, Music 55. Two units per semester are given for two lessons per week, one unit per semester for one lesson per week. No credit is given for less than a year of study.

All students who expect to make music their major field of concentration should make this objective clear at the beginning of their study and must appear before the entire music faculty at the end of their sophomore year that the faculty may determine the advisability of such concentration in music. Students who are classified by the faculty at the close of their sophomore year as music majors are expected to pursue the courses recommended for music majors and are required to give a satisfactory public recital in their senior year. All students who expect to major in applied music are required to register for two lessons per week in their major subject (unless otherwise directed by the Examining Committee) and to make frequent appearances in the regular Monday evening Student Recitals.

Not more than 12 units' credit in applied music may be counted toward the Bachelor of Arts degree unless the student is able to present a total of 8 units of senior standard of achievement in the field of applied music. In this case 16 units' credit may be allowed.

Voice

MR. LYMAN, ———

Organ

MR. BLANCHARD

Piano

MR. OLIVE, MR. DAYTON, MR. SNELL

Violin and Viola

MR. FRIEDMAN

Wind and Percussion Instruments

MR. BLANCHARD

Violoncello

MR. SIMONSON

Trumpet

MR. PACHECO

Oboe and Bassoon

MR. ZIMMERMAN

Lessons on other instruments may be arranged for privately through the office of the Music Department.

III. Group Instruction (Special fees charged).

Class lessons for beginning students are offered at \$25 per semester, a registration of four persons being set as the minimum. For this work no collegiate credit is given. Each student meets once a week for an hour.

GRADUATE WORK in composition and study of Music Form and Public School Music Methods is offered under the auspices of Claremont Colleges.

Oriental Affairs

a, 56b. The Development of Oriental Civilization. MR. FAHS

The cultural history of eastern Asia with emphasis on those factors of significance for an understanding of contemporary life. While most attention will be given to the main stream of cultural development in China and Japan, the contributions to that stream from central Asia and India and the more recent inter-relations with the West will also be considered. First semester to 1650. Second semester 1650 to present. No prerequisite. *MWF, 10.*

a, 103b. History of China.

MR. CHEN

General survey of Chinese History, with emphasis on such topics as the rise of philosophical schools, important movements in literature and art, and the evolution of social and political institutions. An effort will be made to interpret the complexities of the problem of present day China in the light of her ancient cultural heritage. *MWF, 10.*

. Far Eastern Literature in Translation.

MR. CHEN

A study of outstanding Chinese literary works in English translation with the aim of a deeper appreciation of Oriental life and thought. First semester. *MWF, 9.*

. Oriental Philosophy.

MR. IREDELL

For description see Philosophy 126.

History of Far Eastern Diplomacy.

MR. FAHS

The history of the diplomatic relations of Eastern Asia primarily since 1800. First semester. *MWF, 8.*

Contemporary Far Eastern Government and Politics.

MR. FAHS

The processes of political control in China and Japan under conditions different from those in the West and the significance of the resulting similarities and contrasts for political thought and for an understanding of contemporary international problems. Second semester. *MWF, 8.*

Philosophy

Courses 55 and 57 are general introductions to philosophy. They are recommended both for students who wish a general acquaintance with the subject, and for those who wish to lay a foundation for advanced work.

51. Introduction to Logic.

MR. IREDELL

A study of the elements of deductive and inductive reasoning with special emphasis upon the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. First semester. *TThS*, 9.

53a, 53b. Philosophy of Art.

MR. W. T. JOES

An investigation of the nature of a work of art and of the significance and limitations of the aesthetic experience. In the course of the semester a number of classic theories of aesthetics will be examined, including those of Aristotle and Croce. Some previous work in philosophy or in the history or practice of some of the arts is recommended but not required. *MWF*, 9. Given alternate years, given 1941-1942.

55a, 55b. History of Philosophy.

MR. W. T. JOES

An introduction to philosophy through the study at first history of the works of six or seven significant and representative philosophers, supplemented by an attempt to trace the main lines of historical development, especially in ancient Greek thought and in Europe since the Renaissance. *MWF*, 10.

57a, 57b. Problems of Philosophy.

MR. IREDELL

An introductory consideration of the meaning and methods of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology, and a review of some of the main philosophic estimates of reality. *TThS*, 10.

131. Types of Ethical Theory.

MR. W. T. JOES

A critical examination of some of the chief types of ethical theory (*e.g.* Aristotle, Kant and Bergson) and a consideration of their various solutions to the main problems of moral theory. Some previous work in philosophy is recommended, though not required. Given alternate years. (*Omitted in 1941-1942*).

126. Oriental Philosophy.

MR. IREDELL

This course is designed to provide the student with a general background of oriental thought as a basis for further study of oriental life and culture. An attempt will be made to gain an appreciation of the thought life of the Orient through a study of some of the more important thinkers and schools of oriental philosophy and through a comparison of oriental and western philosophical views and cultural ideals. Second semester. *MWF*, 11.

132. Types of Political Theory.

MR. W. T. JOES

A study of some of the principal ways in which philosophers have attempted to justify the existence of political societies and

a critical evaluation of their success. Attention will be concentrated on the political theories of Aristotle, Hobbes and T. H. Green. Given alternate years. (*Omitted in 1941-1942*).

1. The Nineteenth Century.

MR. W. T. JONES

A study of the main currents of 19th century thought and of their reflection in the literature, the history and the social movements of the period. A number of such currents will be examined, including the impact of science on religion, the conflict between individualism and collectivism, and the contrast between romanticism and naturalism. First semester. *MWF, 11*.

2. Some Representative Philosophies of Life.

MR. W. T. JONES

An evaluation of the contribution made by a number of representative thinkers to an understanding of the western mind. A careful study will be made of the work of one or two such men from each of several cultural periods, including Plato and Sophocles, Dante and St. Augustine, and, among contemporaries, Whitehead and T. S. Eliot. Second semester. *MWF, 11*.

3. The Philosophy of Science.

MR. IREDELL

This course is designed especially for students interested in the problems of the physical and biological sciences. A critical examination will be made of the basic concepts and methods underlying contemporary scientific thought. Consideration will be given to such questions as the nature of scientific knowledge, conceptions of nature, natural law, the relation of the scientific interest to other interests, and the contributions of the special sciences to a view of the universe as a whole. First semester. *MWF, 10*.

4. Contemporary Philosophy.

MR. IREDELL

A study of contemporary philosophic thought through some of the main modern thinkers with special reference to the dominant ideas of the civilization of today. Prerequisite: Philosophy 55 or 57, or such previous work as will provide an equivalent grasp of the basic problems of philosophy. Second semester. *TThS, 9*.

5. Contemporary Philosophy of Education.

MR. IREDELL

A consideration of educational philosophies at work in the world today, together with a critical analysis of the chief philosophical problems involved. The course will include a brief survey of some of the current attempts to reform education in this country and abroad, and will consider the contributions of some of the outstanding contemporary philosophical thinkers to the problems of education. (*Omitted in 1941-1942*).

6. The Seventeenth Century.

MESSRS. ANGELL, GLEASON

JONES, STRATHMANN

For description see English 159.

A considerable range of graduate offerings in Philosophy is available under the auspices of Claremont Colleges.

Physical Education

The program of Physical Education in Pomona College is based upon the belief that a liberal education should include knowledge of the structure and functions of the human mechanism; understanding of the hygienic practices which promote physical, mental and social health; reasonable skill in developmental and recreational activities of a physical type which will promote the individual's well-being during college years, and in later life; and a disposition to make such knowledge and skill essential elements in effective living.

Increasing interest in health, physical education and recreation in the United States has resulted in a growing demand for well-trained and competent leaders in these fields. Pomona students may qualify for such professional work by pursuing a major course in Physical Education, followed by a year of graduate work at Claremont Colleges.

MEN AND WOMEN

A student is required to take one unit of Physical Education Activities per semester during the first two years, and one unit per semester during the last two years of the course.

5. Principles of Healthful Living.

MR. NIXON

An introduction to general hygiene dealing with the meaning and significance of physical, mental, and social health as related to the individual and to society. Important phases of our National health problem. Constructive methods of promoting the health of the individual. Defensive hygiene. Special health problems of college students and young people generally. Elective course, first semester. 2 units. Men, Mr. Nixon; women, Miss K. T. Th., 10. (*Women's section not offered in 1941-1942*).

123. Nature and Function of Play.

MISS CAWTHORPE

The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out proper habits, attitudes and judgments. First semester. 2 units. T. Th., 11.

124. Community Recreation.

MR. HENRY

A study of the organization of the school and the public recreation ground, the types of leadership, and types of activities suited for various age periods. Discussion of the technique of organizing the recreation center. Organization of leadership. Limited to Juniors and Seniors. Second semester. 2 units. T. Th., 8.

126. Community Health.

MISS KELLEY

A brief survey of the fields of community and public health dealing with the health of people as a group, and with the individual and governmental activities which are concerned with environmental control and health promotion. Hygiene and the coordination of the total health teaching program. Second semester. 2 units. T. Th., 9. (*Omitted in 1941-1942*).

9. Kinesiology.

MISS CAWTHORNE

An analysis of joint and muscular mechanism, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. First semester. *MWF*, 8.

2. Physical Deviations.

MISS CAWTHORNE

Study of the causes, prevention, and correction of physical defects. Laboratory work includes methods of examination, prescription of exercises. Prerequisite: 129. Second semester. *MW*, 8; and laboratory arranged.

4. Principles of Physical Education.

MR. NIXON

Limited to Seniors preparing to teach Physical Education. Second semester. *MWF*, 11.

MEN

Students engage in programs of physical education activities selected according to individual needs as determined by medical and physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Among the minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense, proficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under supervision of the Department: Archery, badminton, baseball, basketball, boxing, corrective exercises, cross country running, football, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student obtains credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a certificate from the College Physician indicating that the individual is physically fit for such participation.

1b. Physical Education Activities.

THE STAFF

Required, Freshman year. $\frac{1}{2}$ unit. Arranged.

2b. Gymnastic Exercises.

MR. STREHLE

Required of Freshmen not taking military science. $\frac{1}{2}$ unit. *M*, 2:15; *Th*, 4:15.

-53b. Physical Education Activities.

THE STAFF

Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.

-54b. Physical Education Activities.

THE STAFF

Required of Sophomores not taking military. Sophomore year. $\frac{1}{2}$ unit. Arranged.

105a-105b. Physical Education Activities.

THE STAFF

Required, Junior year. $\frac{1}{2}$ unit. Arranged.

107a-107b. Physical Education Activities.

THE STAFF

Required, Senior year. $\frac{1}{2}$ unit. Arranged.

191a-191b. Technique of Teaching Physical Education.

MR. HEATH, MR. STREHLE and MR. MERRILL

This course is devoted mainly to methods in teaching and supervising athletics. Open to Seniors only. 2 units. Arranged.

WOMEN¹

A medical and physical examination is given all entering students with subsequent posture tests. Physical activities are allowed or prescribed as the result of these examinations. Participation in 11a-11b is required for the Freshman year. Students may have freedom of election in other activities in so far as medical and physical examinations warrant, but must include during the Freshman and Sophomore years one individual sport, one team or group sport and one semester of either tap, folk, or natural dancing.

ACTIVITY

Six units of Physical Education Activities are required for graduation. One unit is credited for 11, Fundamentals, a special course organized in such a fashion as to include the basic fundamentals of physical activity. The remaining 5 units may be earned by participation in any of the following activities.

Individual Sports	Team Sports	Dancing	Gymnastic
Archery	Basketball	Rhythmics	Danish
Badminton	Baseball	Creative	Individual
Golf	Hockey	Tap	
Riding	Speedball	Folk	
Riflery	Volleyball		
Swimming			
Tennis			

¹Students interested in camp leadership are referred to the announcement on page 67.

Course in Recreational Games including:

Croquet	Shuffleboard
Horseshoes	Tenniquois
Paddle Tennis	Tether Ball
Ping Pong	

11a-11b. Fundamentals.

THE STAFF

Required, Freshman year. $\frac{1}{2}$ unit. Arranged.

12a-12b. Sports and Dancing.

THE STAFF

Required, Freshman year. $\frac{1}{2}$ to 1 unit. Arranged.

63a-63b. Fundamentals, Sports or Dancing.

THE STAFF

Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.

- 4a-64b. Fundamentals, Sports or Dancing. THE STAFF
Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.
- 15a-115b. Fundamentals, Sports or Dancing. THE STAFF
Required, Junior year. $\frac{1}{2}$ unit. Arranged.
- 17a-117b. Fundamentals, Sports or Dancing. THE STAFF
Required, Senior year. $\frac{1}{2}$ unit. Arranged.

THEORY

- 9a-119b. Methods in Coaching and Supervising Sports. MISS BRISTOL
1 unit. 1st semester *F*, 1:15; 2nd semester, *F*, 2:15.

Physics

- 1b. Introduction to Physical Science.

MR. TILESTON and MR. HAUPT

A non-mathematical course intended for those who wish to obtain a knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the discrete structure of electricity and matter. Fee, \$5.00 each semester. *MWF*, 10.

- 51b. General Physics.

MR. TILESTON

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. *MFW*, 8.

- 52b. Physical Measurements. MR. TILESTON and MR. HAUPT
Quantitative laboratory work in the subjects indicated in Course 51. Must accompany 51. 1 unit. Laboratory fee, \$3.00. *W* or *Th*. 1:15-4:15.

- Slide Rule and Precision of Measurements.

MR. HAUPT

A study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics 51, 52. First semester. Fee \$3.00. *MWF*, 9.

- 111b. Electricity and Magnetism.

MR. TILESTON

A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics 51, 52. *TThS*, 8.

113a-113b. Mechanics.

MR. HAUPT

Kinematics and dynamics of motion. Study of forces and their relation to motion. Concepts of work, power, momentum, impulse. Centers of mass, moments of inertia, products of inertia. Statics and the equilibrium of particles, rigid bodies and frame structures with special emphasis on engineering applications. Prerequisite: Calculus. *MWF, 11.*

151a-151b. Electrical Measurements.

MR. TILESTON

Laboratory in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacity. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics 111 preceding or accompanying this course. 1 unit. Laboratory fee, \$4.00. *M, 1:15-4:15.*

153a-153b. Optics.

MR. HAUPT

The fundamental laws of geometrical and physical optics, wave theory of light, interference, diffraction, polarization, electromagnetic theory of light, reflection and refraction, dispersion, magneto-optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics 51, 52 and Calculus. *TThS, 10.*

154a-154b. Optical Measurements.

MR. HAUPT

Quantitative verification of the laws of geometrical and physical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to the work in spectroscopy. Laboratory to accompany 153. 1 unit. Laboratory fee, \$4.00. *F, 1:15-4:15.*

191a-191b. Mathematical Physics.

Atomic physics and mathematical physics presented by the departments of mathematics and physics. Prerequisite: Calculus and major work in a physical science. 2 units. Arranged.

195a-195b. Research.

MR. TILESTON and MR. HAUPT

The following problem is in progress in the department: Properties of high energy ions.

Majors in the department who are properly qualified will be accepted as research associates. 1 to 3 units. Laboratory fee \$2.00 per unit. Arranged.

Civil Aeronautics Ground School

COORDINATOR, MR. TILESTON

Private Flight. MR. WHITNEY, MR. STREHLE, MR. HAUPT
Civil air regulations, navigation, meteorology. Each semester.
Fee, \$10. 4 units. Registration subject to approval of Dean of
Students. *MTW, 7:30 to 9:30 p.m.*

4. Secondary Flight.

MR. WHITNEY, MR. STREHLE, MR. HAUPT
Aerodynamics and structures, navigation and radio, engines, pro-
pellers and accessories. Each semester. 6 units. Registration
subject to approval of Dean of Students. *MTWThF, 3:30 to 5:30
p.m.*

Psychology

51a,b, 53a,b or 52 is prerequisite to all further courses in the de-
partment. Courses numbered 100 to 149 may be taken concurrently
with 51b or 53b.

51b. Introduction to Psychology. MR. EWER and MR. CASS
Fundamental facts and principles of consciousness and behavior.
The relation of the nervous system to mental processes and ac-
tion. Practical applications in various fields. *MWF, 10, Mr.
Ewer; 11, Mr. Cass.*

Elements of Psychology.

MR. EWER
Similar to 51a, 51b. Second semester. 4 units. *MWF, 11 and
12, 1:15.*

53b. Introduction to Psychology. MR. ELLIS and MR. CASS
Similar to 51a, 51b except that there are two lectures and one
two-hour laboratory period. Notes are written up outside of
laboratory time. Laboratory fee, \$1.50 each semester. Three
lecture sections, *TTh, 10, MF, 11, Mr. Ellis; MW, 9, Mr. Cass.*
Laboratory periods, *MWTh or F, 1:15-3:05.*

54b. Laboratory Psychology. MR. ELLIS and MR. CASS
The laboratory work in 53a, 53b above may be taken by those
who have taken or are taking 51a, 51b or the equivalent. Required
of psychology majors. 1 unit. Same periods and fee as for
53a, 53b.

Individual Differences.

MR. ELLIS
Study of the nature and extent of individual differences and
their causes as determined by objective methods. Age, sex and
race differences. Genius, subnormality, insanity and criminality.
The organization of mind. Applications in various fields are
considered briefly. First semester. *TThS, 9.*

105. Problems of Psychological Research.

MR. EW

The mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include hyperesthesia, automatism, illusions and hallucinations, hypnotism, and temporary occultism and spiritualism. First semester. *MWF, 1*

107. Educational Psychology.

MR. ELI

Practical applications of psychology to education. The nature of the learner; intelligence and motivation; principal features of the learning process. First semester. *MWF, 9.*

108. Child Psychology.

MR. ELI

An intensive survey of physical and mental growth and development. Particular attention will be given to methods of child training and to the hygiene of growth. Second semester. *MWF, 9.*

118. Experimental Psychology.

MR. CA

Lectures and discussions of the principles of scientific methods used in psychological investigations. Leading experiments in the history of psychology. First semester. *TThS, 8.*

152. Personality.

MR. EW

Physical basis; types, traits, and methods of measurement; development of social attitudes and character. First semester. *TThS, 10.*

154. Social Psychology.

MR. EW

Mental processes underlying social order and progress; collective forms of behavior. Second semester. *TThS, 10.*

156. The Nature and Measurement of Intelligence.

MR. CA

A study of the nature of intelligence and the principles and methods of intelligence testing with special emphasis upon the method of giving the Stanford Revision of the Binet Tests. Second semester. *TThS, 8.*

191. Advanced Psychology.

MR. EW

Reading course. Permission of instructor required for registration. This course consists of assigned reading and the preparation and oral presentation of essays. The subjects included depend in part upon the interest of the student. First semester. (*Omitted in 1941-1942.*)

192. Advanced Psychology.

MR. ELI

Reading course, similar to 191. Second semester. (*Omitted in 1941-1942.*)

GRADUATE WORK in various aspects and applications of psychology is offered under the auspices of Claremont Colleges.

Public Address

a-52b. Fundamentals of Public Address. MR. SCOTT

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment to specific audiences. 2 units. *MW* 9.

a-53b. Principles of Interpretative Reading. MR. SCOTT

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary types. 2 units. *TTh*, 10.

a, 55b. Argumentation and Debate. MR. SCOTT

Study of the principles of argumentation and practical application of these principles in class debates. Debate subjects for the year analyzed and debated. 2 units. *MW*, 10.

1a-131b. Advanced Public Address. MR. SCOTT

Training in the construction and delivery of formal addresses. Prerequisite: Public Address 52 or equivalent. 2 units. *TTh*, 9.

4a, 134b. Reading of Dramatic Literature. MR. SCOTT

Intensive study of a limited number of standard plays, with emphasis on dramatic values in character and plot. Interpretative reading of these plays in class. Recital programs before the class. Prerequisite: Public Address 53 or equivalent. 2 units. *MW*, 11.

Religion

Great Personalities in Religious History. MR. MELAND

A biographical study of the founders of world religions and other significant personalities in religious cultures. Acquaintance with the classics in sacred literature, associated with these religious leaders, will also be sought. First semester. 2 units. *TTh*, 10.

Great Personalities in Christian History. MR. MELAND

A biographical study of men and movements in western Christianity from the fifth century to modern times. Personalities studied include artists, musicians, scientists, philosophers, poets, and men of letters as well as churchmen and theologians who have contributed to the growth of Christian civilization in Europe. Acquaintance with the Christian Classics in literature, art and music will also be emphasized. Second semester. 2 units. *TTh*, 0.

51b. The Rise of Religion in America. MR. MELAND

A study of the religious personalities and social forces that have shaped the religious culture of America. Attention will be given to pioneering American religious leaders and the accompanying

story of the rise of denominations; concluding with a consideration of the churches and the social scene, and the changing outlook of the modern church. While not dependent upon Religion 5 and 6 as prerequisites, this course is intended as a continuation of that series, relating the story of religion in historical civilizations, *MWF, 11.*

101. Philosophy of Religion.

MR. MELAND

A course for the general student, dealing with the modern mass approach to religious thinking. An interpretation of the modern mind and the heritage peculiar to modern man, as compared with that of medieval, ancient, and primitive men, is followed by a consideration of present problems affecting the modern man's outlook in religion. Such issues as the relation between science and religion, art and religion, poetry and religion, and the present conflict between religion and nationalism are examined. First semester. 2 or 3 units. *TTh, 9* with third hour to be arranged.

102. Applied Psychology of Religion.

MR. MELAND

A course designed to enable the student to work toward a practical philosophy of living in terms consonant with the insights of modern psychology and mental hygiene and with the worldview of modern culture. The bearing of such matters as "the fitness of environment," the relation between physical well-being and the health of emotions, social maturation, and other aspects of the growing-up process, as well as the life of the mind in its reflective, imaginative, and appreciative outreach upon theofilment of life is considered. Second semester. 2 or 3 units. *TTh, 9* with a third hour to be arranged.

103a, 103b. Religion Through the Ages.

MR. MELAND

An historical and comparative study of the religions of the world. During the first semester, attention is given to the beginnings of religion among ancient peoples, the rise of religious cultures in India, China, Japan, and the Mediterranean world, emphasizing the findings of the social sciences, bearing upon the history of religions. In the second semester, study is made of contemporary developments in world religions from the opening of the modern era to the present day. *MWF, 10. (Omitted in 1941-1942).*

151a, 151b. American Philosophies of Religion.

MR. MELAND

A study of contemporary types of religious thought in America. Modern American thinkers, whose philosophies are examined, include: James, Royce, Santayana, Hocking, Whitehead, Aes, and Wieman. Prerequisite: Religion 101 or 102, or such previous work in philosophy as will provide acquaintance with the basic problems in philosophy of religion. *MWF, 10. (Omitted in 1941-1942).*

Romance Languages and Literatures

FRENCH

3b. Elementary and Intermediate.

MISS MARBURG,

MISS WAGNER

Essentials of grammar; drill in pronunciation, speaking and dictation. Introductory readings from easy modern texts, followed by extensive readings of works of modern French writers chosen to represent as many literary forms as possible; outside reading assignments adapted to the needs and interests of the individual student. This course, meeting five times a week, is designed to enable the student to cover in one year approximately the work covered in a two-year, three-unit course. Completion of this course admits to the advanced courses in the language and literature. 5 units. Two sections, *MWF, 11, TTh, 1:15; and TThS, 10, WF, 8.*

-51b. Intermediate Grammar Review and Modern Readings.

MR. CROWELL, MISS WAGNER

A course designed for those students who have completed two years of high school French, or a three-unit year course in College. A review of grammar with the translation of moderately difficult English into French; conversation. Extensive reading of modern French texts chosen to represent as many literary forms as possible, a part of this reading is done as required outside assignments. *MWF, 9, Mr. Crowell; MWF, 11, Miss Wagner.*

a, 103b. Literature of the Nineteenth Century.

MISS MARBURG

Study of the outstanding dramatists, novelists and poets from the romantic period to the end of the century, with stress upon the theater and poets. *MWF, 10.*

-111b. Composition and Conversation.

MISS MARBURG

Extensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. *TThS, 9.*

, 153b. Literature of the Seventeenth Century.

MISS MARBURG

In the first semester, introductory lectures on the historical background and the precursors of the great plays of Corneille and Racine; followed in the second semester by a detailed study of Molière and a consideration of certain writings of other outstanding authors. *MWF, 8.*

156. Literature of the Eighteenth Century.

A critical study of the French philosophers of the eighteenth century with especial attention to Montesquieu, Voltaire and Rousseau. Collateral readings and reports. (*Omitted in 1942*).

167a-167b. Survey of French Literature.

MISS MARB

The development of French literature from the earliest times to the present. This course consists primarily of extensive reading by the individual student in important phases of French language and literature not touched upon in other departmental offerings. Occasional lectures will be given by the instructor. Oral or written reports on outside readings are presented by the students. Arranged.

Certain advanced courses in French given at Scripps College are open to qualified Pomona students.

ITALIAN

61a-61b. Elementary.

MR. CROW

A rapid survey of the grammar with special emphasis on the pronunciation. Extensive reading of modern prose. A thorough grounding in French, Spanish, or Latin is strongly recommended. *TThS*, 9. (*Omitted in 1941-1942*).

In the Romance field the graduate seminars offered under the Claremont Colleges plan center on the following periods of literature:

French: 16th Century, 19th Century,
Contemporary Period.

Spanish: From Beginnings to Golden Age,
Golden Age, 19th Century,
Contemporary Period.
Spanish American.

Spanish

13a-13b. Elementary and Intermediate.

MR. CROW

MISS HUS

Essentials of grammar; drill in pronunciation, speaking and interpretation. Introductory readings from easy modern texts, followed by extensive reading of works of modern Spanish writers chosen to represent as many literary forms as possible; outside readings and assignments adapted to the needs and interests of the individual student. This course, meeting five times a week, is designed to enable the student to cover in one year approximately the material covered in a two-year, three-unit course. Completion of this course admits to the advanced courses in the language and literature. 5 units. Two sections, *MWF*, 11, *TTh*, 8; and *TThS*, 10, *WF*, 8.

71b. Intermediate. Grammar Review and Modern Readings.

MISS HUSSON

A course designed for those students who have completed two years of high school Spanish, or a three-unit year course in college. A review of grammar with the translation of moderately difficult English into Spanish; conversation. Extensive reading of modern Spanish texts chosen to represent as many literary forms as possible; a part of this reading is done as required outside assignments. Two sections. *MWF, 10, 2:15.*

Modern Spanish Theater.

MISS HUSSON

Study of the works of the leading Spanish playwrights from 1800 to the present time. Reading by the entire class of certain plays; reports on individual outside readings. Conducted in Spanish. First semester. *TThS, 10.*

Modern Spanish Novel.

MISS HUSSON

Study of the principal Spanish prose works from 1800 to the present time, with emphasis on the novel. Extensive outside readings; written reports. Conducted in Spanish. Second semester. *TThS, 10.*

115b. Spanish Composition and Conversation.

MISS HUSSON

Extensive drill in written and oral expression; free composition; dictation; conversation, on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation. This course is conducted, for the most part, in Spanish. *TThS, 9.*

173b. Literature of the "Siglo de Oro."

MR. CROWELL

In the first semester, the life and works of Cervantes, including intensive study of the "Quijote"; followed, in the second semester, by a consideration of the dramatic writings of Lope Vega, Tirso, Ruiz de Alarcón, and Calderón. Assigned outside readings and reports. *MWF, 8. (Omitted in 1941-1942).*

175b. Spanish American Literature.

MR. CROWELL

Intensive study of some of the outstanding literary productions of Spanish America. Extensive outside readings; individual reports. Geography, history and culture are stressed in introductory lectures and class discussions. *TTh, 2:15-3:30.*

177b. Survey of Spanish Literature.

MR. CROWELL

Survey of the development of Spanish literature from the earliest times to the present. This course consists primarily of extensive readings done by the individual student in important phases of Spanish language and literature not touched upon in other departmental offerings. Occasional lectures will be given by the instructor; oral or written reports on outside readings are prepared by the students. Arranged.

Sociology

1. Social Origins.

MR. BA

A study of the earliest known development of man and human culture. The biological emergence of man from subhuman forms is traced briefly. The growth of culture from Stone Age to Iron Age, and the rise of such culture patterns and institutions as language, the family, private property, religion, the sciences, music, art, etc. Open to Freshmen and Sophomores only. First semester. *MWF, 10.*

2. Comparative Cultures.

MR. BA

Three cultures are selected from each of three levels: primitive, ancient civilization, modern civilization. These are analyzed and compared as to basic customs, traditions, and philosophies of life, involving folklore and proverbs, religious beliefs, economic activities and organization, political or group control, marriage and family forms, types of recreation, and extent of cultural self-sufficiency. Prerequisite: 1, or special permission of instructor. Second semester. *MWF, 10.*

51a-51b. Elements of Sociology.

MR. BA

An introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop critical, comparative, and constructive attitude toward contemporary social problems. Application of sociological principles to modern social problems, such as race prejudice and movements of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure and recreational activities. *TThS, 9, 10.*

107. Criminology.

MR. BA

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. First semester. *MWF, 10.*

108. Labor Problems.

MR. BA

A survey of labor problems and causes of industrial unrest, collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial peace, problems of reconstruction. *MWF, 10. (Omitted in 1941-1942.)*

109. Marriage and the Family.

MR. BA

Changes in the marital status of the American population. Factors involved in mate selection and the complex husband-wife and parent-child relationships. Difficulties of adjusting marriage and family patterns to our rapidly changing culture. *W, 10.*

analysis of the factors promoting family disorganization, as well as measures seeking to conserve the socially valuable functions of family life. No previous work in Sociology required, but open to Juniors and Seniors only. First semester. Two sections. *MWF, 8, 1:15.*

Race Relations.

MR. BABER

Biological and sociological concepts of race. The migration and distribution of races. The role of "race consciousness" in war, internal strife, and the development of group consciousness and status. The experience of several nations with racial minorities (amalgamation vs. accommodation) with the emphasis on American experience with Negroes, Mexicans, and Orientals. Second semester. *MWF, 1:15.*

-111b. Native Cultures of the New World. MR. OPLER
The peopling of the Americas; the physical types and their relations to other racial stocks; the development of American Indian cultures in the New World; the characteristics and regional differentiations of material life, social organization, language, mythology, art and religion in aboriginal America; the culmination of New World Developments in the great civilizations of Middle America (Maya, Toltec, Aztec, Inca); Indian-White relations, government control, and acculturation since European conquest. Prerequisite 1 and 2, or permission of the instructor. *MWF, 11.*

Social Control.

MR. BABER

An analysis of human nature and its social origin. The growth of our social heritage through social change, with its rapid acceleration in modern times making social control increasingly difficult. How society develops and maintains social patterns for the control of conduct through law, public opinion, education, religion, rewards, and similar agencies, and the degree to which these attempts are successful. Second semester. *MWF, 8.*

Theories of Social Reform.

MR. KIRK

A study of various proposals for social reconstruction including: the Utopians, Marxian Socialism, Fabian Socialism, Syndicalism, and Anarchy. An investigation of contemporary experiments in social reorganization: The British Labor Movement, The Fascist regime, Soviet Russia and the Cooperative Movement in Europe, Asia, and America. First semester. *MWF, 9.*

Contemporary Sociological Thought.

MR. KIRK

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation. A survey of the leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Second semester. *MWF, 9.*

191, 192. Advanced Studies in Sociology.

MR. KIRK

MR. BA

Research in social problems and agencies. Various techniques which have been developed in sociological research will be in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the definite limitations of the several tools of research. Open only to Seniors. Arranged.

SUMMARY OF STUDENTS

1940 - 1941

Compiled March 1, 1941

Seniors	-	-	-	-	-	-	-	-	-	-	-
Juniors	-	-	-	-	-	-	-	-	-	-	-
Sophomores	-	-	-	-	-	-	-	-	-	-	-
Freshmen	-	-	-	-	-	-	-	-	-	-	-
Specials	-	-	-	-	-	-	-	-	-	-	-
Total Enrolment	-	-	-	-	-	-	-	-	-	-	-

In addition to the above, 1 Claremont College student, 80 Scripps College students have taken some work in Pomona College during 1940-1941.

1941

1942

JANUARY					JULY					JANUARY					JULY					
T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
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FEBRUARY					AUGUST					FEBRUARY					AUGUST					
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MAY					NOVEMBER					MAY					NOVEMBER					
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JUNE					DECEMBER					JUNE					DECEMBER					
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KEY TO BUILDINGS

PERMANENT



TEMPORARY



PROPOSED



FIELDS



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UNIVERSITY OF ILLINOIS

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PERMANENT

3. Eli P. Clark Hall
5. Eli P. Clark Hall and Frary Hall
8. Tennis Courts
9. Alumni Athletic Fields
10. Training Quarters
11. Swimming Pool
13. Smiley Hall
14. Student Building

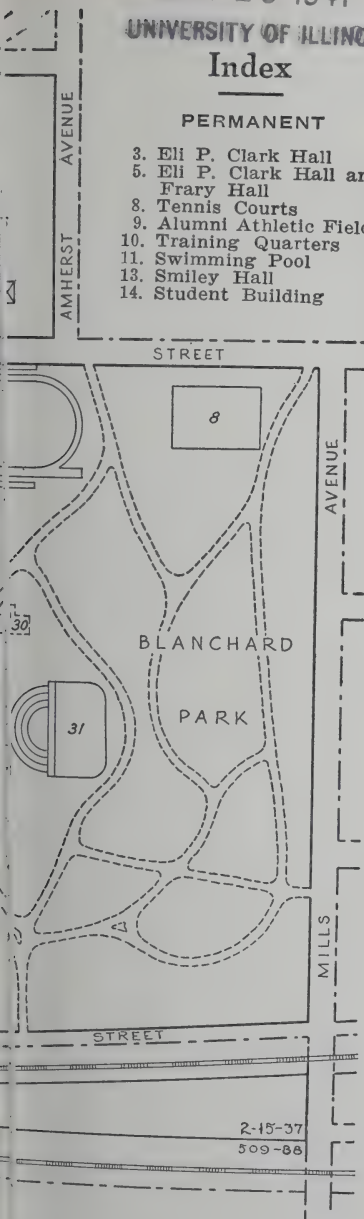
17. Holmes Hall
19. Pearsons Hall
20. Crookshank Hall
23. Mason Hall
25. Library
26. Bridges Auditorium
29. Volley Ball Court
- 29-A. Baseball Field
30. Brackett Observatory
31. Open-Air Theater
32. Hockey Field
33. Tennis Courts
35. Tennis Courts
36. Sumner Hall
38. Bridges Hall
39. Rembrandt Hall
40. President's House
41. Claremont Inn
44. Harwood Court
49. Florence Carrier Blaisdell Hall
51. Women's Playing Field
52. Field House
53. Women's Playing Field
58. Heating Plant

TEMPORARY

6. Garages
7. College Shops
21. Harwood Hall
27. Little Gymnasium
28. Big Gymnasium
43. Baldwin House
45. Kenyon House
47. Garages
50. Brackett House
56. Haddon Hall
57. Denison House

PROPOSED

1. Dean's House
2. Men's Dormitory
4. Browsing Room and Lounge
12. Men's Gymnasium
15. Chapel
16. Dramatic Studio
18. Botany Building
22. Physics Building
24. Addition to Library
30. Brackett Observatory
34. Museum of Pomoniana
37. Music Annex
42. Residence for Dean of Women
46. Women's Dormitory
48. Women's Dining Hall
54. Pool
55. Women's Gymnasium



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Claremont

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1943

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College Calendar for 1942-1943

1942

August	28, Friday	Residence halls open for new students only, 12 noon
August 28 - Sept. 1,		Program for new students
August	29, Saturday	Psychological examinations for all new students 8:00 - 4:00. Attendance required.
August 29 and 30,		Separate conferences for all new men and women students.
	Saturday and Sunday	
August	31, Monday	Conference Day for new students
September	1, Tuesday	Registration day for new students Residence halls open for returning students
September	2, Wednesday	Registration day for returning students
September	3, Thursday	Special freshman classes begin Fall term classes begin 8 a.m.
September	17, Thursday	Opening Convocation, 11 a.m.
October	15, Thursday	Last day for changing courses Founders Day, Flame Ceremony, 11 a.m.
October	26, Monday	Low grade report due
November	26, Thursday	Thanksgiving Day
November 14 - 19		Examination period
November	19, Saturday	Fall term ends

1943

January	4, Monday	Registration Day
January	5, Tuesday	Spring term classes begin, 8 a.m.
January	7, Thursday	Opening Convocation of Spring term, 11 a.m.
January	19, Tuesday	Last day for changing courses
January	23, Saturday	Matriculation and Parents' Day Convocation, 11 a.m.
February	1, Monday	Low grade report due
February 15-22,		Examination period
February	25, Sunday	Baccalaureate Day
February	26, Monday	Commencement

Summer term begins May 3.
Summer term ends, August 21.
Fall term begins, August 30.

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Wartime Program

The college has revised its calendar for the duration of the war and will operate on a 48 week basis until peace has been won. Beginning with the autumn of 1942 the academic year will be divided into three terms (semesters) of sixteen weeks each. A student will afford the academic work and credit normally given in one semester.

The year-round program makes it possible for students now at the college to graduate earlier or to complete certain essential courses before they are called into national service. For instance, a student entering Pomona in the autumn of 1942 may graduate in the spring of 1945.

The college emphasizes that the accelerated program is optional. Students who do not desire to expedite their programs may continue with the normal four year course. The work of the summer term has been so arranged that it will in no way interfere with the plans of students who do not care to follow an accelerated program.

This catalog contains announcement of courses to be offered in the autumn and spring terms of 1942-43. A special bulletin on the summer term will be issued early in 1943.

Board of Trustees

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The President of the Alumni Association, ex-officio

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W. R. H. Weldon

Highland
San Marino
Bel Air
Canoga Park
Pasadena
San Marino

Officers of Administration

1942 - 1943

President <i>209 Sumner Hall</i>	E. Wilson Lyon
Dean of Students <i>101 Sumner Hall</i>	William E. Nicholl
Dean of Women <i>112 Sumner Hall</i>	Jessie E. Gibson
Assistant Dean of Students, in charge of Admissions <i>104 Sumner Hall</i>	J. Edward Sanders
Secretary of the Faculty <i>201 Sumner Hall</i>	George S. Burgess
Recorder <i>106 Sumner Hall</i>	Margaret Maple
Director of the Library <i>Library</i>	Homer E. Robbins
College Physician <i>The Dispensary</i>	Gilbert S. Coltrin
Director of Alumni and Public Relations <i>203 Sumner Hall</i>	Allen F. Hawley
Controller <i>Harper Hall</i>	Allin W. Dakin
Treasurer <i>Harper Hall</i>	Ernest E. Jones
Superintendent of Plant <i>Harper Hall</i>	Harold A. Nelson
Director of Dormitories <i>Blaisdell Hall</i>	May C. Frank
Director of Dining Halls <i>Harper Hall</i>	Lucille Gramse

FACULTY¹

Elijah Wilson Lyon

345 College

President, 1941.

B.A., University of Mississippi; B.A. and B. Litt., University of Oxford;
Ph.D., University of Chicago.

Charles Keyser Edmunds

860 Columbia

President, 1928. Emeritus since 1941.

Edwin Clarence Norton

145 W. Seventh

*Dean of the Faculty and Professor of the Greek Language and Literature
on the Edwin Clarence Norton Foundation, 1888. Emeritus since 1932.*

Frank Parkhurst Brackett

270 E. Third

*Professor of Astronomy on the Frank Parkhurst Brackett Foundation.
Director of the Observatory, 1888. Emeritus since 1933.*

George Stedman Sumner

105 College

*Professor of Economics and Sociology, 1897.
Controller, 1922. Emeritus since 1940.*

Mendal Garbutt Frampton

927 Harvard

Professor of the English Language, 1904. Emeritus since 1940.

William Polk Russell

540 E. Sixth

*Professor of Mathematics on the Joseph W. Fiske Foundation, 1901.
Emeritus since 1932.*

Grace Ella Berry

353 W. Eleventh

*Dean of Women, and Associate Professor of Mathematics, 1909.
Emeritus since 1935.*

Maro Beath Jones

807 College

Professor French Literature, 1911. Emeritus since 1940.

Raymond Cummings Brooks

5353 W. 3rd St., Los Angeles

*Professor of Religion on the Nancy M. Lyon Foundation, 1921.
Emeritus since 1936.*

Bruce McCulley

210 E. Foothill

Professor of English Literature, 1921. Emeritus since 1939.

¹Active Faculty arranged in order of appointment to present rank; date in each case denotes the beginning of original term of service.

William Atwood Hilton 1293 Dartmouth Ave.
Professor of Zoology on the Willard George Halstead Foundation, 1905.
 B.S., Cornell University; Ph.D., Cornell University.

Ernest Capen Ewer 706 Indian Hill Blvd.
Professor of Psychology, 1916.
 B.A., Brown University; M.A., Brown University; Ph.D., Harvard University.

Alfred Haine Lyman 357 W. Tenth St.
Professor of Applied Music, Head of Department of Music, 1917.
 B.A., Grinnell College. Student in voice with Karleton Hackett, William B. Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Cowper and other American masters and with Vittorino Moratti in Berlin.

William Evan Nicholl Eli P. Clark Hall
Dean of Students, 1919.
 B.A., Bellevue College; M.A., Columbia University. Graduate Student, Edinburgh University.

Ernest Elmer Robbins 487 Harrison Ave.
Professor of Classical History and Language, 1915, and Director of the Library.
 B.A., M.A., Ph.D., University of Michigan.

William Kirk 705 Indian Hill Blvd.
Professor of Sociology on the Henry Snyder Foundation, 1922.
 B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

George Samuel Burgess 1175 College Ave.
Professor of Law and Secretary of the Faculty, 1918.
 B.A., University of Michigan; J.D., University of Michigan.

Gene White Nixon 721 Harrison Ave.
Professor of Physical Education for Men, 1916.
 B.A., Monmouth College; M.A., Columbia University. Graduate Student, Illinois and California Universities.

Frank Wesley Pitman 116 E. Twelfth St.
Professor of History on the Warren Finney Day Memorial Foundation, 1924.
 Ph.B., Yale University; M.A., Yale University; Ph.D., Yale University.

Ernest Ray Tileston Eli P. Clark Hall
Professor of Physics on the Seeley W. Mudd Foundation, 1925.
 B.A., Dartmouth College; M.A., Dartmouth College; D.Sc., Colorado College.

Charles Tabor Fitts 4435 N. Live Oak Drive
Professor of Education, 1919.
 B.A., Amherst College; M.A., University of California. Graduate Student, Harvard University.

- Philip Alexander Munz** 1165 Indian Hill Bl
Professor of Botany on the Henry Kirke White Bent Foundation, 1917.
 B.A., M.A., University of Denver; Ph.D., Cornell University. Grad
 Student, University of Chicago.
- Kenneth Duncan** 1100 Harvard
Professor of Economics on the Stedman-Sumner Foundation, 1926.
 B.A., Wabash College; M.A., University of Wisconsin; Ph.D., Univer
 of Michigan.
- Alfred Oswald Woodford** 443 W. Tenth
Professor of Geology, 1915.
 B.A., Pomona College; Ph.D., University of California.
- Jessie Edith Gibson** 405 Yale A
Dean of Women on the Martha N. Hathaway Foundation, 1927.
 B.A., University of Idaho; M.A., University of Washington. Grad
 Student, California and Columbia Universities.
- Charles Judson Robinson** 809 Indian Hill Bl
Professor of Chemistry on the Carnegie Foundation, 1927.
 B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University.
- Edward Taylor** 1022 Harvard A
Professor of Engineering Mathematics, 1920.
 C.E., University of Minnesota; M.A., University of Southern Califor
 Graduate Student, University of Oregon.
- Edward McChesney Sait** 238 E. Seventh
Professor of Government, 1928.
 B.A., Toronto University; M.A., Toronto University; Ph.D., Colum
 University.
- Chester George Jaeger** 1045 Yale A
Professor of Mathematics, 1931.
 B.A., B.S., M.A., Ph.D., University of Missouri.
- Robert Sidney Ellis** 917 Harvard A
Professor of Psychology, 1931.
 B.A., University of Arkansas; Ph.D., Clark University.
- Walter Alfred Allen** 175 East 12th
Professor of Musical Theory and Appreciation, 1912.
 B.A., Beloit College; B.Mus., Yale University. Associate, American Cl
 of Organists.
- Everett Samuel Olive** University Club, 8th and Amhs
Professor of Piano, 1923.
 B.Mus., Simpson College. Graduate Student, Simpson College. Pup
 Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.

Faculty

II

- mes White Crowell 450 University Circle
Professor of Romance Languages, 1929.
 B.S., Haverford College; M.A., Haverford College; Ph.D., Cornell University.
- izabeth Kelley Marylind Ave.
Professor of Physical Education for Women, 1928.
 B.A., University of Wisconsin; M.A., New York University; Ph.D., Stanford University.
- y Erwin Baber 999 N. College Ave.
Professor of Sociology, 1939.
 B.A., Campbell College; M.A., Ph.D., University of Wisconsin.
- ymond C. Baird 370 W. Seventh St.
Professor of Military Science and Tactics, 1941.
 Ph.B., Simpson College; Graduate Command and General Staff School; Colonel, U. S. Army.
- en Shou-Yi 690 Indian Hill Blvd.
Professor of Chinese Culture, 1941.
 B.A., Lingnan University; Ph.D., University of Chicago.
- liott Curtis Lincoln 472 W. Tenth St.
Professor of English, 1924.
 B.A., Colby College; M.A., State College of Washington and Harvard University.
- njamin David Scott 828 College Ave.
Professor of Public Address, 1923.
 B.A., University of Southern California; S.T.B. Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard Universities.
- ilter Ticknor Whitney 445 W. Tenth St.
Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.
 B.S., M.S., Pomona College; Ph.D., University of Chicago.
- Edward Sanders
Assistant Dean of Students, 1942.
 B.A., Hendrix College; M.A., Ph.D., Columbia University.
- nard Eugene Meland 275 W. Tenth St.
Associate Professor of Religion, 1936.
 B.A., Park College; Ph.D., University of Chicago. Graduate Student, McCormick Theological Seminary, Marburg University.
- omas Montague Beggs 424 W. Tenth St.
Associate Professor of Art, 1926.
 B.F.A., Yale University. Graduate, Pratt Institute; Diplôme Ecole des Beaux Arts, Fontainebleau; Graduate study, Harvard University.

Carl Baumann

459 W. Eleventh S

Associate Professor of German, 1931.

Ph.D., University of Basel.

Francis Raymond Iredell

1060 College Av

Associate Professor of Philosophy, 1925.

B.A., Pomona College; M.A., Ph.D., Harvard University.

Harold Davis

612 W. Tenth S

Associate Professor of English, 1927.

B.A., Stanford University; B.A. and B.Litt., Oxford University.

Ernest Albert Strathmann

160 W. Eleventh S

Associate Professor of English, 1932.

B.A., M.A., Ph.D., Johns Hopkins University.

Norman Theodore Ness

Associate Professor of Economics, 1928.

B.A., Carleton College; M.A., University of California; Ph.D., Harvard University.

Robert Lobingier Strehle

1019 Dartmouth Av

Associate Professor of Physical Education for Men, 1923.

B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, University of Southern California, University of California, Stanford University.

Helen Marburg

139½ E. Seventh S

Associate Professor of Romance Languages, 1940.

B.A., University of London; Ph.D., Stanford University.

Margaret Husson

Marylind Av

Associate Professor of Spanish, 1925.

B.A., University of Kansas; M.A., Columbia University. Graduate student, centro de Estudios Históricos, Madrid.

Colvin Heath

750 Indian Hill Blv

Assistant Professor of Physical Education for Men, 1922.

B.A., Pomona College; M.A., Stanford University.

Emilie Elizabeth Wagner¹

646 Indian Hill Blv

Assistant Professor of German, 1928.

B.A., Smith College; M.A., Pennsylvania State College. Doctorat d'Université, mention Lettres, Toulouse.

Marion Jeanette Ewing

487 W. Sixth S

Assistant Librarian, 1912.

B.A., Olivet College; B.S., Simmons College; M.A., Boston University.

¹Absent on leave, 1942-43.

Artis Haupt

433 Baughman Ave.

Assistant Professor of Physics, 1930.

B.A., Colorado College; M.A., University of California. Ph.D., University of California.

Kenneth G. Fiske

905 Harvard Ave.

Assistant Professor of Violin, 1936.

B.Mus., M.Mus., American Conservatory of Music. Pupil of Leon Sametini, Jacques Gordon, Otokar Sevcik.

John Howes Gleason

512 Baughman Ave.

Assistant Professor of History, 1939.

B.A., Ph.D., Harvard University; B.Litt., Oxford University.

Charles Burton Fahs¹

Assistant Professor of Oriental Affairs, 1936.

B.S., M.A., Ph.D., Northwestern University; Graduate Student, University of Berlin. Fellow of General Education Board in Paris and Japan.

William G. Blanchard

1495 Via Zurita

Assistant Professor of Music, 1936.

B.Mus., DePauw University; M.Mus., University of Michigan.

Eril Jurecka

163 W. Eleventh St.

Assistant Professor of Art, 1932.

Graduate, Imperial and Royal College of Sculpture, Horice, Bohemia.

Walter J. Hamilton

451 W. Seventh St.

Assistant Professor of Mathematics, 1936.

B.A., University of California at Los Angeles; M.A., Ph.D., Brown University.

Walter Goss Bristol

1020 Berkeley

Assistant Professor of Physical Education for Women, 1935.

B.A., Pomona College; M.A., Columbia University.

Elizabeth Cawthorne

1265 Indian Hill Blvd.

Assistant Professor of Physical Education for Women, 1935.

B.A., M.A., University of California.

William Haskell Kemble¹

Assistant Professor of History, 1936.

B.A., Stanford University; M.A., Ph.D., University of California.

Walter Dayton

262 W. Sixth St.

Assistant Professor of Music, 1938.

B.Mus., Oberlin College; Graduate study in Berlin and New York.

William Thomas Jones

Padua Hills

Assistant Professor of Philosophy, 1938.

B.A., Swarthmore College; B.Litt., Oxford University; Ph.D., Princeton University.

Absent on leave, 1942-43.

George N. Tyson

600 E. Baseline

Assistant Professor of Chemistry, 1938.

B.A., Pomona College; M.S., Ph.D., University of Southern California.

Norman Elliott

Padua Hall

Assistant Professor of Chemistry, 1938.

B.A., M.A., Oberlin College; Ph.D., California Institute of Technology.

Earl Jay Merritt

Eli P. Clark Hall

Social Director of Men's Campus, Freshman Adviser, and Instructor Physical Education, 1925.

B.A., Pomona College.

Mary C. Love

220 W. Tenth St.

Head of Library Loan Department, 1929.

B.A., M.A., Stanford University.

Virginia Princehouse Allen

175 E. Twelfth St.

Instructor in Dramatics, 1930.

B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.

Murray Delmar Kirkwood¹*Instructor in Government, 1939.*

B.A., Pomona College and Oxford University; M.A., Fletcher School Law and Diplomacy, and Harvard University.

Joseph Warner Angell

420 W. Eighth St.

Instructor in English, 1939.

B.A., College of Wooster; M.A., University of Oregon; Graduate Student Yale University.

Mervin Shirley Snider

1011 Harvard Ave.

Instructor in Music, 1939.

B.A., Pomona College; M.A., Eastman School of Music.

Willis E. Pequegnat

433 Harrison Ave.

Instructor in Biology, 1940.

B.A., University of California; Graduate Student, University of California at Los Angeles.

Margaret Maple

320 W. Tenth St.

Recorder, 1940.

B.A., Pomona College.

Harold B. Stewart

University Club

Instructor in Military Science and Tactics, 1940.

B.A., Pomona College; Captain, Infantry Reserve, U. S. Army.

Frederick Ludwig Mulhauser, Jr.

1227 Dartmouth Avenue

Instructor in English, 1941.

B.A., College of Wooster; M.A., Ph.D., Yale University.

¹Absent on leave, 1942-43.

Faculty

15

- Charles Shiveley Holmes
Instructor in English, 1941.
B.A., Oberlin College; Graduate Student, Princeton University.
1245 Dartmouth Avenue
- William Avery Cass
Instructor in Psychology, 1941.
B.A., Pomona College; Graduate Student, University of Oregon.
354 West 6th Street
- Her James Lee, Jr.
Instructor in Government, 1941.
B.A., Pomona College; M.A., University of California.
463 Baughman Avenue
- John Sewall Shelton
Instructor in Geology, 1941.
B.A., Pomona College; Graduate Student Yale University.
1100 Oxford Avenue
- Marie Marie Stuart
Instructor in Voice, 1941.
B.Mus., University of Illinois.
Absent on leave, 1942-43.
130 West 8th Street
-

Departmental Lecturers

In Anthropology

- Ernest Edward Opler
Assistant Professor of Anthropology, Claremont Colleges,
B.A., M.A., University of Buffalo; Ph.D., University of Chicago.

In Economics

- Harold Gardiner Coons
Professor of Economics, Claremont Colleges,
B.A., Occidental College; M.A., Ph.D., University of Pennsylvania.

Visiting Instructors in Music

- Carl Simonsen, *Violoncello*
George Pacheco, *Brass Instruments*
Hewey Zorn, *Reed Instruments*
Hedwig Kastner, *Harp*

Faculty Committees¹

1942-1943

Administration—President, Secretary of Faculty, Dean of Students, Dean of Women, Iredell, Pitman, Hilton, Jaeger, Munz.

Admission—Nicholl, Sanders, Gibson, Ellis, Davis, Maple.

Athletic Council—Nixon, Nicholl, Woodford, three student representatives, and two alumni representatives.

Pomona College representatives on the Southern California Intercollegiate Athletic Conference—Nicholl, Jaeger.

Classification—Nicholl, Duncan, Whitney, Sanders, Maple, Taylor, Lincoln.

College Life—Nicholl, Gibson, Jaeger, Merritt, Husson, Tyson, Duncan, President Associated Students, and President Associated Women Students consultant members on call.

Courses of Study—Munz, Burgess, Fitts, Strathmann, Marburg, Gleason, Fiske, Ness.

English—Mulhauser, Hamilton, Meland, Haupt, Crowell.

Health—Robinson, Nicholl, Gibson, Nixon, Kelley, Pequegnat, A.W.S. and A.M.S. Presidents consulting members on call.

Honors—W. T. Jones, Pitman, Elliott, Davis, Sait.

Library—Baumann, Burgess, Crowell, Robbins, Hamilton, Pitman, Angell.

Personnel—Gibson, Sanders, Fitts, Nicholl, Merritt, Maple, Elliott, Husson, Bristol.

Public Events—Nicholl, Burgess, Lyman.

Religious Activities—Meland, Baber, Scott, Lyman, W. T. Jones, Blanchard, and two student representatives.

Scholarships—Iredell, Nicholl, Gibson, Tileston, Ness, Marburg.

Student Aid—Nicholl, Gibson, Sanders, Merritt, Baber.

Special War Committees

Military Service—Nicholl, Jaeger, Baird, Tileston, Strehle.

Civilian Defense—Jaeger, Nicholl, Gibson, Gleason, Lee, Tyson, Coltrin, and nine student representatives.

Key Center of Information and Training—Robbins, McCulley, Angell, Beggs, Lee, Holmes, and six student representatives.

¹First person named is chairman.

THE COLLEGE

The Founding of Pomona

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the Board of Trustees by the General Association of Congregational Churches of Southern California.

Original Trustees

Henry Kirke White Bent	Pasadena
Nathan W. Blanchard	Santa Paula
Anson Brunson	Los Angeles
Elwood Cooper	Santa Barbara
James T. Ford	San Bernardino
James H. Harwood	San Diego
David D. Hill	Pasadena
Theodore C. Hunt	Riverside
George W. Marston	San Diego
John K. McLean	Oakland
Henry A. Palmer	Oakland
Seth Richards	Boston, Mass.
Charles B. Sheldon	Pomona
Charles B. Sumner	Pomona
Andrew J. Wells	Long Beach

Of this group, Mr. George W. Marston is still a member of the Board. He served as its President for twenty-seven years, and is now Honorary President.

The College was incorporated October 14, 1887. The work of construction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the college. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrollment has been held at approximately 750 divided equally between men and women and among the four classes.

The Associated Colleges

The imperative demand for expansion led to the adoption under the inspiring leadership of President James A. Blaisdell, the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

Claremont Colleges, with its own trustees known as "The Board of Fellows," some of whom are also trustees of Pomona and Scripps, constitutes a central group, focusing a mutual effort to return to each member of that group a stimulating and supplementing influence. Through the bequest of the late Seely W. Mudd, first chairman of its Board of Fellows, and erstwhile trustee of Pomona College, Claremont Colleges received a fund of one million dollars for the establishment of its work.

These three institutions, Pomona, Scripps and Claremont, are independent, but cooperate in maintaining certain mutual activities and facilities. Pomona and Scripps exchange upper division classroom privileges, thus enlarging the opportunity of the more advanced students for a choice of instructors and subject matter. The Graduate School, the central library, and in part the sponsoring of research work are carried on as common enterprises of the three institutions under the administration of Claremont Colleges. The buildings and facilities of Claremont Colleges and the laboratories of Pomona College are for the use of all.

Claremont Colleges undertakes also in behalf of the group the administration of the health service, which includes the full time of a physician and the operation of a thoroughly up-to-date infirmary, the responsibility for an auditorium seating 2600 and for the music and lecture courses presented in it each year, the development of a central heating plant, the purchasing and cat-

ing of books for all three libraries, and the conduct of a common business office, each institution sharing proportionately in cost of these common services. An "Intercollegiate Council" serves as a co-ordinating agency for matters of mutual concern.

Claremont

One of Pomona's greatest assets is Claremont, the unique domestic community of 3200 that has grown up around the college. The early settlers were New Englanders and they gave to Claremont an atmosphere unusual on the Pacific Coast. With the growth of Pomona and the foundation of Scripps College and Claremont Colleges the village has come to be a cultural center of national significance.

The prestige and advantages of the colleges brought other educational and religious institutions to the village. Four private preparatory schools are now located in Claremont. Under the auspices of the Congregational Church a community for retired ministers and missionaries was founded in 1915. This enterprise, called Pilgrim Place, has experienced marked success, its costs totaling over half a million dollars.

The charm of Claremont has led other distinguished men and women to move here after retirement from business and professional life. Each winter the village entertains a number of visitors who come to enjoy the climate and the beauty of citrus groves and snow-capped mountains.

Pomona students thus enjoy life in a cosmopolitan community, which retains the charm and intimacy of a New England village. They are in no sense isolated from the busy life of Southern California, for the college is only three miles from the town of Pomona and only thirty-five miles from Los Angeles. By its location Pomona College combines the advantages of both village and city life.

Pomona's Ideal

Pomona College represents the effort to maintain in an exceptionally favorable environment a small independent residence where whose students enjoy the inestimable advantages of intimate contact with each other and with their instructors. The college endeavors to give individual attention to all its students. At the same time, the close associations with Scripps and Claremont Colleges, afford at Pomona facilities normally available only at large universities.

From the very beginning Pomona has maintained a reputation for interest in thorough scholarship rather than in large numbers. Membership in the institution itself is regarded as a scholastic honor. Pomona's devotion to scholarship received national recognition in 1914 when the college was awarded a chapter of Phi Beta Kappa. Since September 1924 the college has given further impetus to academic achievement by maintaining an honors type of instruction which affords special opportunities for independent study to students of recognized ability.

Pomona holds that scholarship should not only be high but also broad and inclusive. It insists that the best preparation for life is a liberal arts education. Only such training can provide the comprehensive view of society required in the modern world. Pomona aspires to train men and women who can provide professional, business, and civic leadership in their respective communities.

Social Training an Essential Part of Education

Some of the greatest values in higher education come from the daily contact of student with student. Pomona College is an academic community in which the student's daily living, as well as his academic work, is under the direction of the college. With the exception of the small group that lives at home, all students are accommodated in dormitories and dining halls owned by the college. Pomona is one of the most completely residential colleges in the United States.

Dining together in finely appointed college halls induces social amenities not acquired otherwise. Exchange dinners between the women's campus and the men's campus afford opportunities for social intercourse and entertainment at no extra expense. Students meet in the private dining rooms for luncheons and dinners with distinguished visitors to the campus. The fraternities have the special rooms within the dormitories in close association with the rooms assigned to the members of the several groups.

Pomona's co-educational character greatly increases the culture of its student body. Working together on social as well as scholastic problems, men and women students associate in mutual respect and dignity. The graduates of the college testify that these relations add to the genuine wholesomeness and roundness of the student's life. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Religious Life

While originally Congregational in organization, the College long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, though nonsectarian. Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it is obligated to promote the consideration of those age long spiritual aspirations and interpretations which constitute religion. It urges each student to correlate correctly these factors with discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of education, to seek an interpretation of his own guided by a careful study of those arrived at by others.

The college desires to offer its students the greatest opportunity for spiritual growth and religious experience. A department of religion is maintained in the regular curriculum and a rich variety of courses is available. Weekly devotional chapels are held and church services are held at the college one Sunday evening each month.

The village of Claremont enjoys the great advantage of a community church in which all Protestant denominations worship together. Students are encouraged to affiliate with the church and attend its services. There they enjoy fellowship with students, faculty, and townspeople.

BUILDINGS AND EQUIPMENT

Pomona College occupies about one hundred and twenty acres of which sixty are included in Blanchard Park, about ten in Alumni Athletic Field, and fifty in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from a central heating plant operated by Claremont Colleges.

Administration and Classroom Buildings

The Mary L. Sumner Hall, named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodelled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Monks, Massachusetts, reconstructed in 1916 in conformity with modern plans for buildings and campus, is devoted mainly to recitation rooms and departmental offices. It contains also an auditorium seating 750.

The Business Office of Pomona College is maintained in Harper Hall, administered by Claremont Colleges.

Art and Music Buildings

Rembrandt Hall is devoted to the Department of Art. The upper floor contains studio and work rooms; the lower floor contains auditoriums of moderate size for exhibits and lectures.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges of San Diego, offers excellent facilities for the study of music. It contains, in addition to private studios, an auditorium seating 800.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2600 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, seats over 4000.

Science Buildings

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, contains the laboratories and lecture rooms of the departments of physics and mathematics.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Bixby, '01, serves the Department of Astronomy.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

The Marine Laboratory, located at Laguna Beach, has nine private rooms for special workers and two general laboratories, as well as storerooms, work rooms and aquarium room.

The Library

The Library, the gift of Mr. Andrew Carnegie, was constructed in 1908, and underwent extensive renovation in the summer of 1911. Its reading rooms accommodate 350 readers. Except for the special science collections, all books and bound periodicals are used in the main library.

Residence and Social Halls

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some 105 students besides the House Master and one or more instructors; additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George Marston in memory of Rev. Lucien H. Frary, a Trustee from 1881 to 1903. Besides the Great Hall which will seat 450, there are three smaller dining rooms for special uses.

Harwood Court, a modern dormitory which includes Strong Hall, accommodates 180 women. Florence Carrier Blaisdell Hall, named in honor of Mrs. James A. Blaisdell, houses 80 women. The College also maintains several houses with similar accommodations. All women residents are served by the Aurelia Squier Harwood Memorial Dining Hall.

The Student Union, provided through the gifts of many parties and supplemented by funds from the Associated Students and the bequest of the late Florence Riley, houses student offices, printing publications, the graduate manager, and the Cooperative Store. It provides a social center for all students and an attrac-

tive and adequate ballroom so that off-campus dances are not necessary.

The Claremont Inn

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by Pomona College. Parents and friends are invited to use the facilities of the Inn for longer or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses the friendliness of the colleges and the community.

Athletic Facilities

The Gymnasium, comprising two structures, affords equipment for indoor physical training supplementing the various playing fields for men and for women.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of these men, Sheldo Gerry, '17, supplemented by those of alumni, students and friends. Alongside the Training Quarters is a modern standard size swimming pool for men.

Other Facilities

The Pomona College summer camp at Bluff Lake in the San Bernardino Mountains consists of five cabins, located on the tract of 120 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great and unspoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in the service.

A replica of the original house in Pomona in which the College first opened in September, 1888, has been erected on the campus recently, through the generosity of an anonymous donor. It contains the historical exhibit set up in recognition of the Fiftieth Anniversary, and will become ultimately a museum of Pomoniana.

ADMISSION

Preparing for College

Any person interested in preparing for Pomona, or any school official who is responsible for directing the preparatory programs for students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work.

In planning the standard four-year preparatory program applicants will find it advantageous to include, in addition to 3 units of English, the following: at least 2 units of one foreign language; one unit each of history, algebra, geometry, and laboratory science; and 3 or more units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science.

For advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or German. In some fields, a command of both is desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics, will do well to take both Trigonometry and Solid Geometry in High School if possible.

For further information, write to Office of Admissions, Room 14, Sumner Hall, Pomona College, Claremont, California.

Admission Requirements

Application and Credentials

Application for admission to Pomona College must be made on the form furnished by the college and all credentials must be submitted with the Committee on Admissions.

The forms and credentials required are:

Application Form I. Including \$3.50 fee.

Personal Rating Scale Form II. A confidential report by the principal or proper school official and sent by him to the Director of Admissions.

A Personal Letter by the applicant, stating reasons for going to college and why Pomona has been selected, also explaining any extended break in secondary school education and any

special conditions affecting college plans. This letter should accompany the application Form I.

4. Official Transcript of high school record to date. At the time of selection of candidates, work in progress will be considered in fulfillment of requirements, and admission will be granted subject to the filing of a final transcript showing the satisfactory completion of all secondary school work. This transcript should include interpretation of grading system.
5. Medical Certificate, on a form furnished by the college and signed by a licensed M.D. The college reserves the right to reject students for health reasons.
6. Tuition Deposit of \$25 due within thirty days of date of acceptance. This deposit will apply on the first term college bill.

Applicants who win awards in the competitive scholarship examinations need not make this deposit in advance but it will be deducted from the amount of the scholarship awarded. Applicants participating in the examinations who do not win awards but who wish to reserve places in college must make this \$25 deposit within thirty days of the announcement of the scholarship awards.

Failure to make this payment results in the removal of the candidate's name from the reserved list both for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who have not paid are placed after those who have paid. Should an accepted candidate who has paid this deposit withdraw one month or more before the beginning of the term for which he was accepted, \$15 will be refunded. Candidates on the waiting list for whom places are not provided will have the entire deposit refunded.

In addition to the procedure noted above, a candidate for admission to advanced standing must file an official transcript of all college work for which he has been previously registered and a statement of honorable dismissal from the institution previously attended.

Scholarship Requirements

Pomona College desires to be reasonably sure of a candidate's academic success before admitting him as a student. Experience has shown that the best single indication of such success is a record of high achievement in schools previously attended. Candidates with achievement records only slightly above average are required to submit supplementary evidence of ability to do college

ge work. Applicants with less than average previous achievement are not admitted.

In accordance with the above general statements the following scholarship requirements have been established:

For Freshman Standing

Plan I. Certificate of graduation from an approved secondary school showing either:

1. Fifteen recommended units, including at least three in English, earned during the 9th, 10th, 11th and 12th grades; or
2. Twelve recommended units, including at least two in English, earned during the 10th, 11th and 12th grades.

Plan II. Certificate of graduation from an approved secondary school showing either:

1. Twelve recommended units, including at least three in English, earned during the 9th, 10th, 11th and 12th grades supplemented by a personal letter from the proper official of the school from which the candidate graduated, or is graduating, urging his acceptance and testifying to his ability to do good college work.
2. Nine recommended units, including at least two in English, earned during the 10th, 11th and 12th grades supplemented by the letter required above, and in addition, a satisfactory achievement in specified scholastic aptitude tests.

Plan III. By special examination in cases in which an unusual or irregular preparatory program prevents evaluation according to one of the above plans.

NOTE: Certificate of having successfully passed examinations as given by the College Entrance Examination Board will be accepted as the equivalent of secondary school units in subjects covered by such examinations. These examinations are given at stated times and places; information regarding details may be secured from the Director of Admissions.

Advanced Standing

Applicants from other accredited colleges will be accepted provided their academic work is of at least C average, and transfer

credit will be given for all courses which are comparable to courses offered in Pomona College.

For Special Classification

Mature students, particularly those equipped for advanced studies in special departments, may be admitted as special students to courses for which, by ability and preparation, they may be fitted. Special students are not candidates for a degree.

Three Year Program for Junior College Graduates

Recognizing the increasing demand on the part of many Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to the Master's degree rather than a two-year program leading only to the Bachelor's degree, Pomona College calls the attention of those interested in such a procedure to the general statement on page 63 and the subsequent departmental exhibits of upper division and graduate studies.

EXPENSES

The fees charged cover only about one-half of the cost of maintaining the educational program of Pomona College. The money received from students is supplemented by income from permanent funds and by gifts secured from year to year.

Tuition _____ per term \$	175.00
Including season tickets for Artist Course and Athletic Events.	
Special tuition, for students carrying less than ten units of work, for each such unit _____ per term	17.50
(Exclusive of Artist Course and Athletic tickets.)	
Room and Board in residences for men _____ per term	215.00-302.50
Room and Board in residences for women _____ per term	275.00
Visitor's Fee, required from those visiting a course of study _____ per course	10.00
Laboratory Fees _____ per term	1.00- 15.00
Laboratory Breakage Deposits _____ per term	5.00- 20.00
Fees for Applied Music _____ per term	25.00- 60.00
Practice Fees, Applied Music _____ per term	1.50- 15.00
Fees for Applied Art _____ per term	5.00- 25.00
For exact fee see Courses of Instruction.	
Late Registration Fee (see page 55) _____	2.00- 10.00
Special Examination Fee (see page 55) _____	1.00- 2.00
Associated Student Dues _____ per term	7.25
This charge is made upon all regular students by action of the Associated Students. Recognizing the value of the activities supported by this fee, the College requires its payment and reserves the right to approve the budget for which it is spent.	
Graduation Fee (see page 53) _____	10.00

Residence for Men

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that men not actually living at home will live and dine in college halls.

Residential campus privileges are provided only on the basis of an inclusive charge varying from \$215 to \$302.50 per term, according to location of room. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and care of rooms. The only articles to be furnished by the student are blankets and bed spread.

Smiley Hall has both single and double rooms and suites of three rooms accommodating two students.

On the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for two students. The other halls have both single rooms and suites.

Residence for Women

It is expected that women students will room in the college residence halls and board at the dining rooms in Harwood Court. Freshmen are required to reside in Harwood Court. Students living at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, in which is included the dormitory known as Strong Hall, and the several Colleges Houses which afford residence facilities, have both single and double rooms as well as suites. Florence Carrier Blaisdell Hall, the new dormitory for women, has mostly single but also a few double rooms. Each room is provided with the necessary furnishings, including rugs. The only articles to be furnished by the student are linen and covers for a single bed.

Residential campus privileges are provided on the basis of an inclusive charge of \$275 per term. A limited number of special grants-in-aid applicable to this charge are available. Information can be obtained from the office of the Dean of Women.

Residence Regulations

The residence privilege does not include the use of the residence halls during the Christmas vacation, when the halls are closed. The residence halls are open for new students the Friday before the opening of the college year and for returning students the day after registration. The residence and boarding privileges end 24 hours after the last examination at the end of the spring term for all students except seniors and those asked by the college to remain.

ough Commencement. The residence and dining halls are used the day after Commencement.

A residential breakage fee of \$10 is required from each student, from which deductions are made for individual and communal damage to college property, any balance being credited to the student's account on graduation or withdrawal.

The college reserves the right to dismiss from a dormitory without rebate any student who becomes a disturbing or undesirable occupant.

Bills

All College bills are due each term in advance and must be paid by the student at the time of registration. Students wishing to arrange for payment by installments should confer with the Controller before entering, preferably in the summer preceding registration. An interest charge of 6% per annum will be made on all unpaid balances. No refunds are made to those leaving before the end of the term except that in the case of those leaving before the middle of the term because of illness one-half of the tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all \$25.00 is returned. No refund is made on a room payment unless the room is re-rented to someone not then rooming in a college residence hall.

Students are not given honorable dismissal nor graduated unless bills are not paid. Seniors must settle all college bills and other obligations by four p.m., of the fourth day preceding commencement if they are to receive their diplomas with their

MEDICAL AND PHYSICAL CARE

Pomona College, in cooperation with Scripps and Claremont Colleges, engages the full-time services of a physician to care for students. Dr. Gilbert S. Coltrin, a graduate of Pomona College and of the University of Rochester Medical School, has held this position since 1940. Dr. Coltrin has had excellent training and experience, having served as Intern and later as Resident in Medicine at the University of California Hospital, Fellow in Urology at the Presbyterian Hospital in New York City, and Exchange Fellow in Physiology at the University of Kiel, Germany. He was an instructor for one year at the University of California Medical School, in addition to which he has done private practice.

The medical advice of the College Physician is ordinarily available, free of charge, to all students, subject to certain conditions of hours and location of residence. Minor ailments are treated at the Physician's office or at the Infirmary, used for cases requiring nursing and certain types of hospital care. All surgical dressings and medicines are at the expense of the ill or injured as is medical service in chronic or prolonged illness or in case of accident, or an acute illness beyond ordinary first-aid emergency treatment.

The student is entitled to two days each semester at the College Infirmary without charge for room and meals if illness requires hospitalization. For additional days the charge is two dollars a day. *The College, however, reserves the right to discontinue individual medical service at any time, without previous notice.*

The College does not assume responsibility for the complete medical care of all its students, but only in so far as its present facilities will afford. Preventive medicine and campus health functions are stressed in the College medical program.

For curative treatment, students have ready access to the College Health Service and to the consultants among the local physicians of Claremont and Pomona. However, complete service is not financed by the College. The College nurse visits the residence halls each morning in order to see those students reported ill.

When specialists, consultants and special nurses are required, such fees will be met by the student. In any illness the student is free to choose his own physician on a private fee basis.

Physical Attention

The physical care of students is a matter of special concern to College. The climate of Southern California permits abundant outdoor life. Supervision is given to athletics throughout college year. Every student on entering is given a physical examination under the direction of the College Physician. The medical certificate required of all applicants for admission includes a certificate of recent successful small-pox vaccination and certificate of a satisfactory tuberculin test, or an x-ray of the chest. Any student, while in college, may be required to present each year a follow-up certificate of examination for tuberculosis. Regular work in physical education is prescribed throughout the college years, and courses in Physiology and Hygiene are given.

Athletics. The direction and financial management of athletics rests with the Director of Athletics, who has associated with him as an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general management there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed for the alumni into athletic grounds admirably equipped and unsurpassed in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, the facilities of the Indian Hill Golf Club are available, and athletic games and field sports are encouraged.

A swimming pool, of the standard size for water polo, and well equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

The College endeavors to safeguard students in the use of its athletic facilities, laboratories, athletic fields, and gymnasiums, and to this end the departments have established regulations controlling the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk.

PRIZES

The following prizes are offered for proficiency in the work in the several departments:

Art

The Eugene C. Cramer Prizes: A first prize of \$15.00 and a second prize of \$10.00 awarded for excellence in drawing design in work presented for the annual exhibition. Given by Mrs. Eugene C. Cramer in memory of her husband, who was an artist.

Astronomy

The Moncrieff Astronomy Prize: A prize given to the student in the first year course in Astronomy, taken regularly in which whose interest in the study and proficiency in the observational work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars is given by Miss Flossie C. Moncrieff, '11.

Biology

The Vaile Prize: A prize of twenty-five dollars to be awarded to an outstanding student in Botany or Zoology was endowed by the late Mr. Charles S. Vaile.

English

The F. S. Jennings Memorial Prizes: Three prizes for men and three prizes for women of fifty, forty and thirty dollars each for excellence in English, are available in the fall and spring terms, to members of the Freshman class taking English. In the award of these prizes attention is given to the interest shown by the student in improving the quality of his written and spoken English.

General

The Rena Gurley Archibald High Scholarship Prize: A prize of fifty dollars to be awarded to that member of the graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Anna W. Archibald, D.D.

Essay Contest on History of Pomona College: Prizes of \$25 and \$10 are offered by the Alumni Association for the best essays, submitted by freshmen, on some phase of the history of Pomona College. Exact topics from which to choose

and rules of the contest will be announced about October 1. Announcement of winners will be made at the Matriculation Convocation.

Government

Thorne-Rider International Relations Prize: A prize of \$50 awarded to a student in the Department of Government, taking the course in International Relations, who submits the best essay on a subject approved by the Department. This prize is given annually by Count and Countess Frederic Thorne-Rider.

Latin

Mudge Latin Prizes: Prizes for excellence in Latin. First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

Library

Eda May Haskell Library Prize: A prize of at least fifteen dollars in the form of a purchase order for books is offered for the best library submitted by a senior student, not necessarily for the largest or most expensive collection but for the most intelligently selected books in one or more fields of the student's interest.

Mathematics

Llewellyn Bixby Mathematics Prize: A prize of ten dollars for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15.

Music

Barbara Sanford Allen Prize: An annual competitive prize of fifty dollars to be awarded to a student in the department of music, above freshman rank. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

Thorne-Rider Music Prize: A prize of fifty dollars in applied music, awarded to the student most worthy of recognition, as determined by the faculty of the music department. This prize is given annually by Count and Countess Frederic Thorne-Rider.

Public Speaking

Kinney Declamation Prizes: A prize declamation contest, open to members of the Freshman class, occurs early in the

spring term. First and second prizes of fifteen and ten dollars respectively, are endowed by Mrs. H. N. Kinney.

The Dole Debate Prizes: A prize debate for Lower Division is held near the close of the spring term. First and second prizes of thirty and twenty dollars, respectively, established by the late Mr. John H. Dole in memory of his brother, William B. Dole, are endowed by Mr. Arthur M. Dole.

The Kneeland Oratory Prizes: A prize oratorical contest open to Lower Division men of Pomona College and men of Southern California Junior Colleges of the Eastern Division is held during the spring term. First and second prizes of fifteen and ten dollars, respectively, are provided by Martin Dwellè Kneeland of Claremont. Dr. Kneeland sponsors an oratorical contest for Pomona College women in which similar prizes are awarded.

The Stella King Prizes: The opportunity to compete for a prize of seventy-five dollars and a second prize of fifty dollars for speeches of their own composition is offered to Upper Division men. The judges have the right to distribute prize money otherwise than in the sums indicated, or to withhold all awards if they feel warranted in so doing. These prizes were endowed by the late S. H. Wheeler, in memory of Miss Stella King.

Religion

The Hager Prizes: Prizes for the best essays on a foreign missionary subject, open to all students, were endowed by the late Mr. and Mrs. C. R. Hager. At present, first and second prizes of twenty and ten dollars respectively are offered.

SCHOLARSHIPS

All General Scholarships in Pomona College are competitive and are awarded in three groups: (1) to entering Freshman students, (2) to Junior College transfers, and (3) to resident matriculated students. The general and respective terms of award are set in the following paragraphs.

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to give awards only to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in the college community.
- (3) Physical vigor as shown by interest in outdoor sports, or in other ways.

Before making application to the Committee on Scholarships, applicants who are not matriculated students in Pomona College must file application for admission to the College with the Committee on Admissions (fee \$3.50). In the case of freshmen it is usually expected that they will not have attended any other college or university. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the head of the school from which he comes, and will be required to take competitive examinations. The examinations for freshmen and for Junior College transfers will be held on Saturday, February 13, 1943. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special evidence, by examination or interview, which it may deem necessary to determine the candidate's fitness.

Scholarships for New Students

Freshmen

From the General Competitive Scholarships the following are available to candidates for admission to the Freshman Class in the year 1943-44. Half of the stipend is available in the first term and the second term of the freshman year.

Four Scholarships of Five Hundred Dollars each, applicable to institutional expenses, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Fifty Dollars each, open to both men and women; two from the Thomas J. Dowd Fund and two from the Margaret Burton Harwood Memorial Fund.

Nine Scholarships of One Hundred Seventy-five Dollars each, open to both men and women. One of these is from the H. G. Brainerd and Fannie Howard Brainerd Memorial Fund.

Three Scholarships of One Hundred Seventy-five Dollars each, open to both men and women who may be nominated for the same by the California Scholarship Federation.

Additional scholarships for Freshmen may be available through appropriations from the Alumni Fund.

Applications for above freshman scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships by January 16, 1943. The examinations will be held on Saturday, February 13.

Announcement of awards will be made on or before April 1, 1943.

Junior College Transfers

From the General Competitive Scholarships the following are available for candidates from Junior College, men or women, during the year 1943-44, half of the stipend being available in the first term and half in the second term of the Junior year.

Two Scholarships of Three Hundred Fifty Dollars each. One of these is from the Margaret Burton Harwood Memorial Fund. These scholarships are to be awarded under the auspices of the special departments, and the details of the competition will be announced later.

Four Scholarships of One Hundred Seventy-five Dollars each. One Scholarship of One Hundred Seventy-five Dollars available to a candidate who is recommended for the same by Alpha Gamma Sigma.

Applications for above advanced standing scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before January 16, 1943. The examinations will be held on Saturday, February 13.

Announcement of awards will be made on or before April 1, 1943.

Scholarships for Matriculated Students

Twenty-one awards of One Hundred Fifty Dollars each are available for matriculated students, men and women, in the academic year 1942-43. Of these, fifteen are from the

ia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the fall and ten for the spring term, either upon application to the Committee or upon selection by the Committee from the whole number of those eligible. These scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships for the fall term should be in the Committee by April 10, and for the spring term by November 1.

Additional scholarships for matriculated students may be available through appropriations from the Alumni Fund. A few of these may be available for the summer term, for which application should be made by April 10.

Special Scholarships

Kappa Delta Honor Scholarship Endowment of \$3,023.96. Given by members of Kappa Delta Fraternity. The income from this endowment is supplemented by individual pledges to yield a scholarship of \$250, administered under a special committee. Awarded to a man at the beginning of his senior year.

Phi Beta Kappa Scholarship. A scholarship of \$175 endowed by the Pomona Chapter of Phi Beta Kappa is awarded at the beginning of the spring term to a senior who has been in residence for three years at Pomona and who is selected for the high quality of his scholarship and his promise of future distinction. The award is open to both men and women.

Flora Sanborn Pitzer Memorial Scholarship. \$500 a year from The Sanborn Pitzer Foundation established by Russell L. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

Malcolm Eversole Memorial Fund provides a scholarship of full tuition for a man in the Junior Class to be nominated to the Scholarship Committee by the President of the College at the end of the nominee's second year in Pomona College. The selection will be based not on scholastic rank only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

DEPARTMENTAL SCHOLARSHIPS

Art

The Hannah Tempest Scholarship Fund of \$5,000. Income to be divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

Military

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrollment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarships of about \$100.00 per year. All necessary expenses in connection with the camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrollment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be given consideration in the selection of those to whom the scholarships will be awarded.

Music

The Kate Condit Memorial Music Scholarship Fund, \$2,000.
Given by the late Mr. and Mrs. A. P. Condit.

Physics

The Richard P. Edmunds Memorial Fund provides a scholarship of full tuition for an upper division man student (preferably one who has attended during the first two years) nominated to the Scholarship Committee by the Professor of Physics near the close of the spring term for use the following year.

Fellowships for Graduating Seniors

The following awards may be made for 1943-44 if qualified applicants appear. Applications should be in the hands of the Committee on Scholarships by January 15, 1943.

Should the student selected waive the emolument, the stipend may be paid to the candidate next in rank, while the first student could be designated Honorary Fellow for the year.

On the *Henry Martyn Bracken Foundation* and the *Emily Binson Bracken Foundation*, two or more fellowships may be awarded to seniors for graduate work in Claremont Colleges. When in any year a graduating senior does not qualify for the award, the stipend may be given to an undergraduate student in Pomona College.

On the *William Lincoln Honnold Foundation*, a fellowship with a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open normally only to students who have done at least four full years of work in Pomona College, who are rated in the upper half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in America or abroad.

The prime purpose of the fellowship is to promote original and creative achievement in the candidate's chosen field of activity rather than merely to reward faithful classroom work. The selection will be based not on scholarship only but on the possession of personal qualities which indicate a high degree of promise in a student of outstanding character. The plans for graduate study are to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of the year, the Honnold Fellow is to make a report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been working, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship.

Other Awards

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhodes Scholarships should advise with the Committee on Scholarships.

Student Aid

Grants in Aid

The income of certain funds is supplemented by a budget appropriation to be used in helping to pay the tuition fees of students who are in need of financial assistance. Such aid is only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in attendance upon college exercises, and who maintain at least a B grade in their scholastic work.

Aid may be withdrawn at any time from students who do not to have conformed to the conditions.

The college desires that no student who is doing good work should ever withdraw for purely financial reasons.

Recipients of grants in aid may be asked to render service to the College in exchange.

If a student who has received a grant in aid transfers to another institution before graduation the total sum granted by Pomona College may become a loan, repayable according to the terms applicable to regular student loans.

All applications for aid should be made before March 15, for the academic year 1943-44. Address Committee on Student Aid, Sumner Hall.

Student Aid Funds

The income from the following funds is available for student aid:

The Francis Bancroft Memorial Fund.....	\$ 1,500
Given by Mrs. James T. Ford of Los Angeles in memory of her father.	
The L. H. Barrows Fund.....	2,500
The H. G. Billings Memorial Fund.....	1,000
The Florence G. Bixby Fund.....	5,000
The Sherlock Bristol Memorial Fund.....	400
The Bessie A. Brown Memorial Fund.....	550
Given by Mrs. Fannie E. Brown of Los Angeles.	
The Henry Herbert Brown Memorial Fund.....	1,000
Given by Mrs. Fannie E. Brown of Los Angeles in memory of her son.	
The Class of 1918 Fund.....	961
The Charles C. Cragin Memorial Fund.....	5,025
Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles C. Cragin.	

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The Agnes K. Crawford Memorial Fund.....	1,000
Given by David R. Crawford and William Crawford in memory of their mother.	
Ebell Club of Pomona Student Aid Fund.....	1,000
To help a woman student.	
The Elwood Fund.....	2,600
Given by Mary E. Elwood of Redlands, California.	
The Ford Fund.....	2,500
Given by Rev. James T. Ford of Los Angeles, California.	
The Margaret Fowler Fund.....	1,000
The Orren A. Gorton Fund.....	5,000
The Emma K. Guild Fund.....	44,337
The Manette Hand Memorial Fund.....	1,500
The Alfred James Harwood Memorial Fund.....	8,000
The Charles E. Harwood Fund.....	5,000
The Thomas F. Howard Memorial Scholarship Fund.....	3,500
Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.	
The Mary Marvin Janes Fund.....	396
The Helen Day Jewell Fund.....	1,000
The Henry L. Kuns Fund.....	2,000
The Jean Loomis Fund.....	2,000
The Howard J. Mills Memorial Fund.....	3,000
The Ontario Congregational Church Fund.....	186
Given by the Ontario Congregational Church towards the endowment of a fund.	
The Page Fund.....	5,000
Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at some time be used for other purposes.)	
The Arthur Warren Phelps Memorial Fund.....	2,000
Given by Mrs. C. S. Phelps and Mr. C. A. Phelps in memory of their son and brother.	
The Lydia Phelps Memorial Fund.....	4,000
The Pilgrim Church of Pomona Fund.....	1,883
Given by the Pilgrim Congregational Church of Pomona.	
The Pilgrim Church Women's Auxiliary Fund.....	500
Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.	

The John D. Potter Memorial Fund_____	2,000
Given by Mrs. S. T. Potter of Westboro, Massachusetts, in memory of her husband.	
The Anna H. Searing Fund_____	1,800
The Walter O. Shatto Memorial Fund_____	4,000
Given by Mrs. Clara R. Shatto in memory of her son.	
The Clyde H. Shields Memorial Fund_____	1,700
Given by R. P. Shields of San Diego in memory of his oldest son.	
The Lucia Glidden Strong Fund_____	911
The Sweet Memorial Fund_____	2,500
Given by Harlan P. Sweet in memory of his wife.	
The Maria T. Wardwell Fund_____	1,000
The Clara B. Waterman Memorial Fund_____	5,000
Given by Miss Rosa May Bennett of Los Angeles.	
The Henry S. West Fund_____	2,000

Special

The Crombie Allen Scholarship Fund of \$1,000, half of the income available annually to a graduate of Chaffey Union High School and half to a graduate of Chaffey Junior College of Ontario, California.

The Martha E. Berry Memorial Fund of \$6,000. For foreign students.

The Mabel S. Bridges Memorial Fund, \$3,500. Available for women.

The Alice Paul Harwood Scholarship Fund of \$5,000. Open to graduates of Chaffey Union High School of Ontario.

The Stella M. King Scholarship and Loan Fund for Women, \$10,000.

Two grants-in-aid, provided annually by Reverend M. D. Kneeland, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the fall term and \$50 for the spring term.

The Francis M. Price Fund of \$1,000. For children of missionaries.

Loan Funds

The college also administers loan funds by which it is possible to cooperate with the urgent need of students in making available to them, on an interest bearing basis, amounts sufficient to cover tuition fees. Loans from the following funds may be available:

The Ray Loan Fund..... \$ 1,682.80

Given by Mrs. E. F. Ray, to provide a means of meeting situations of temporary need.

The Lucy B. Jencks Memorial Fund..... 391.86

Established by the Claremont Chapter of the D.A.R., available for a senior girl designated by the Dean of Women.

The Ethan Allen Chase and Augusta Field Chase Fund 6,348.29

Available for men.

The David Clark Fund..... 1,136.43

The Robert C. Denison Memorial Fund..... 486.68

The George E. and Maude C. Baxter Fund..... 300.00

The Bertha Lebus Fund..... 1,000.00

General Loan Fund..... 61,027.62

The Caroline Phelps Stokes Fund, endowed in the sum of \$25,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister, income from which is available for loans.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

Student Employment

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many are helping themselves by various forms of labor such as janitor, waiting on tables, general house work, gardening and the like. The most desirable positions are in general secured by upperclassmen who have proven themselves good workers and good students, and those coming to the College for the first time should be content if any work which they can satisfactorily do is secured for them. Students in any case should come prepared to pay all bills for at least one term. Their record during this term will be a large factor in deciding what opportunities for self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

LIBRARY AND LECTURE FOUNDATIONS

At present the library contains 100,000 well selected volumes and 103,000 pamphlets. It receives subscriptions to 700 periodicals and maintains bound files of approximately 550, many of which are complete. Especially valuable are the periodical holdings in the field of natural science. It is a depository for U. S. Government Documents and the publications of the Carnegie Institution. Since the outbreak of war it has been serving as a war information library.

The following special collections are a part of the general library: the Cook-Baker Biological Library and the Parish Biological Library in Crookshank Hall; the Astronomical Library in the F. P. Brackett Observatory; the James A. Lyman Memorial Library of Chemistry and the Geology Library in Mason Hall and the Mathematics and Physics Library in Pearsons Hall. Housed in the main building are the Mason California, the Warner North Pacific Libraries, and the Viola Minor Westergaard Carnegie Art Collections.

The library is open to the students and faculty of the associated Colleges and to the residents of Claremont.

An experienced and efficient staff member is on duty to assist students at all hours which the library is open. Most of the books are on open shelves where students may consult them at all times. With the exception of reference books, periodicals, and rare volumes, books may be borrowed for two weeks. Certain books of great demand for class use are placed on reserve, subject to special circulation rules.

In addition to the facilities of Pomona College Library there are also available the libraries of Scripps College and of Claremont Colleges. The Scripps College Library of approximately 25,000 volumes is housed in the Ella Strong Denison Library. It contains in addition to its general collection the McPherson Collection of books about women, and the Stephenson Memorial Collection of American History. The library of Claremont Colleges, located in Harper Hall, contains approximately 43,000 volumes, including the Oriental Library and the George Burton Adams Collection of English History.

Lecture Foundations

The Joseph H. Johnson Foundation, liberally endowed by Miss Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and instruction.

participation in college life notable educators from other institutions. By this means such educators are annually in residence in Pomona College.

The Henry D. Porter Foundation, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, contributes to the institution annually, the extended stay of some prominent worker in the field of Christian Missions. The lecturer on this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the region from which he has come. This presentation is one of the most stimulating features in the program of the College.

The Clark Foundation, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture or course of lectures in the general field of religion.

GENERAL INFORMATION

Public Assemblies

It is the practice of the College to give opportunity for the consideration and expression of the common college interests.

On Thursday at 11 a.m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises. On Tuesday at 11 a.m. a brief devotional Chapel Service is held, attendance at which is voluntary.

Special Vesper Music services are offered on Sunday afternoons from time to time. The Student Forum is held each Sunday evening at 7 p.m. in the Student Union Lounge except for Sunday each month when the College Church convenes in Regis Hall at 7 o'clock and is followed by the Student Forum in the Student Union.

Music

In order to insure to the entire student body the opportunity of seeing and hearing the great artists of the day, whose public appearance is usually confined to the larger cities, the College cooperates with Scripps College and Claremont Colleges in the introduction each year of a group of the most distinguished masters in the field of music. During the past season Vladimir Horowitz,

Gregor Piatigorsky, Helen Traubel, Jan Peerce, The Ballet Russe de Monte Carlo, and two concerts of the Los Angeles Philharmonic Orchestra, under the direction of John Barbirolli and Bruno Walter, were presented.

For the concerts thus afforded an annual ticket is furnished every full-time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Symphonic Band, Symphony Orchestra, the Chorus, the Men's and Women's Glee Clubs and chamber music groups afford opportunity for the study and public performance of the finest in ensemble music.

Campus Organizations

The Associated Students. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing group composed of class presidents and chairmen of other organizations representing various activities of campus interest.

*Associated Men Students and
Associated Women Students* } These organizations consist and promote the special interests of the men and women respectively.

Student-Faculty Council. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for further consideration and action.

Class Organizations. Each of the four college classes is organized for the purpose of promoting class social life.

Phi Beta Kappa. The Pomona Chapter of Phi Beta Kappa is the Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

Honor Societies. Ghosts; Mortar Board; Gamma Chapter of Phi Kappa Delta, Sociology Fraternity.

Departmental Organizations. Women's Athletic Association; Circulo Espanol, Aesculepiads (Medical group).

Musical Organizations. Men's Glee Club; Women's Glee Club; Honorary Music Club; Symphony Orchestra, Symphonic Band, Chamber Music Groups.

Religious Organizations. The Religious Council which composes Student-Faculty committees on religious activities.

Miscellaneous Organizations. Masquers and Thespians, in Dramatics; Orchesis, in Dancing; Verse Choir; Camera Club; Ski Club.

Local Social Fraternities. Alpha Gamma Sigma; Kappa Delta; Phi Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Tau.

Publications

The stated publications of the College are issued as numbers of the Pomona College Bulletin, which is published monthly (except July and August). These include: The Annual Catalog, The Report of the President, The News Letter for Alumni.

The Journal of Entomology and Zoology is published under the auspices of the Department of Zoology.

Student Publications

The Student Life is published twice a week by the student body and is devoted to campus affairs.

The Metate is the yearbook published by the Associated Students.

The Sagehen, a magazine of humor, appears three times a year.

The Hand Book, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

SUPERVISION OF CONDUCT

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments.

In the government of the College, the largest liberty consistent with good work and orderly conduct is allowed. Students are expected to show both within and without the College such respect for order, morality, personal honor, and the rights of others as good citizenship demands. Failure to do so will be sufficient cause for removal from the College.

Any student who for any reason, in the judgment of the faculty or of its proper committees, is felt not to be a desirable member of the student body, may be dismissed without special charges.

The use or possession of alcoholic liquors of any kind whatsoever on the campus is prohibited by the College, and the campus use of such may subject the student to the application of the foregoing paragraphs.

The Committee on College Life exercises the authority of the College over all students individually with respect to personal conduct, and over student organizations which bear the name of the College, or which represent the College in any way.

Individual or collective student enterprises which involve the absence of the participants from the College, while using the College name, must receive the official sanction of the Committee on College Life.

Absence from Campus

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college values are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

Automobiles

While the College does not prohibit students from having automobiles in Claremont, it does expect them to recognize their emergency and to use them as little as possible. The College

exercises control over their use, and to that end has established the following regulations:

Student drivers must at all times, both on and off the campus, exercise particular care and consideration for the safety of themselves and others.

Student drivers must acquaint themselves with the state and local traffic laws and comply with their observance.

Students driving cars in Claremont are required to carry public liability insurance in the amount of ten and twenty thousand dollars in approved companies. Evidence that the owner of the car holds such an insurance policy extending beyond the end of the college year, together with the license number of the car, must be deposited with the office of the Dean of Students at time of registration or within three days after the car is driven in Claremont.

Failure to comply with the above regulations shall constitute an offense against the College, the penalty for which may include confiscation and storage of the car at the student's risk and expense for a period not beyond the end of the term in which the offense occurs.

DEGREE REQUIREMENTS

Pomona College awards but one academic degree, that of Bachelor of Arts, which may be attained either in ordinary or in honors. The special procedure in honors study is given on page 64. The following requirements apply to all students.

Unit Requirements

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation or lecture period, or one laboratory period a week for one term. One recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in eight terms one must take an average of fifteen units of academic work throughout.

Grade Point Requirements

In order to graduate, a student must not only earn a certain number of units, but also attain an average of at least C grade in the units for which he has registered, or twice as many grade points as units.

Grades and grade points are as follows:

- A (excellent) = 4 grade points per unit.
- B (very good) = 3 grade points per unit.
- C (average) = 2 grade points per unit.
- D (passing) = 1 grade point per unit.
- F (failure) = 0 grade points per unit. May be made up to a D.
- FF (failure) = 0 grade points per unit. May not be made up except by repeating course.
- I (incomplete)
- W (withdrawn with permission)

All F, FF, and I grades reported by instructors must be accompanied by a specific statement in writing of the cause for failure, and detailed statement in case of the F or I grade of work necessary for its removal. A copy of this statement is given to the student. Except in certain year courses in which, if the instructor so recommends, the deficiency may be removed by successful completion of the work of the following term, all conditions for removing I and F grades must be met within six weeks of the beginning of classes of the following term. An I grade made up thus may not be raised above a D grade. An F grade not so made up remains permanently upon the record as a failure. A FF grade can be made up only by taking the work over in class. Where the FF or permanent F is incurred in unrequired work, that work must be repeated when next offered. A student may not continue with work in which he has received an F or FF. The making up of work which has received the F or FF grade does not expunge the grade from the record. It does permit credit and "grade points" for the course.

The I mark given where illness on the part of a student justifies the granting of additional time for the completion of work may be changed to whatever grade the student earns. Instructors wishing to give an I grade for other justifiable cause than illness must first receive permission to do so from the Classification Committee.

The mark W is used where a student has withdrawn from a course in accordance with provision on page 55.

Requirements for Graduation

Units: A total of 126 units of C average including six units of Physical Education Activities, four of which must be taken the first two years and two in the last two years of the course.

Distribution: Work in two departments of each of the three divisions as follows:

By the end of the Junior year, a student must have completed each year's work of not less than four units in each of two departments in each of the three divisions (six departments in all).

Not more than a total of 52 units in any one department may be counted for graduation.

Upper Division Work: 36 units of work in courses numbered 100 or above, of which at least 12 must be in one department.

Constitution: Prior to graduation, all students are required by the laws of the State of California to complete a course and pass examination on the Constitution of the United States. The courses meeting this requirement are: Government 2a, 151, 153, and History 55a. Those students who have not completed the constitution requirement for graduation by the opening day of each year must register for a course meeting this requirement during the first term of senior year, save as exceptions may be made by action of the Classification Committee.

Graduation Fee: Every student expecting to graduate at the end of any given term must so indicate on his registration card for that term, and must include the graduation fee with the payment of his other fees at the time of such registration. Failure to indicate such expectation or thus to pay the graduation fee will automatically exclude him from graduation that term.

ACADEMIC REGULATIONS

Amount of work: The College regulates the amount of work a student may carry as follows:

The maximum registration is 16 units of academic work plus Physical Education. In addition a student may elect for credit Military Drill and two of the following: Band, Choir, or Orchestra.

To register for 17 units of academic work, a student must have earned 32 more grade points than the total number of units for which he registered the previous term; to register for 18 units, 40 more grade points.

To register for less than 12 units of academic work requires special permission.

Quality of work: A student is expected to secure each term twice as many grade points as the total number of units registered for.

Near the middle of each term a report is made of all students doing failing or unsatisfactory work for the period preceding the date of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and deans receive such reports and take such steps as are advisable in each individual case.

At the end of each term a complete report is made on every student. This report becomes part of the student's record and indicates his standing in the courses for which he has been registered.

Whenever the quality of a student's work declines to such an extent that his graduation in due course seems improbable, he and his parents are so informed. The college may at any time require the withdrawal of a student if the quality of his work seems to warrant such action. Decision in every such case is reached by the joint action of the College Life and Classification Committee in consultation with the student's adviser.

Dismissal from Courses: A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of an instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either F or W for the course and an annotation reporting the fact of having been dropped, shall be turned in to the Recorder's Office.

Class Attendance: Students are expected to maintain regular attendance at all class appointments in the courses for which they are registered. Irregular attendance usually results in low scholastic standing or failure.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

Final Examinations: Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty.

The schedule of final examinations is prepared by the Council of Study Committee. No changes of classes from this schedule

be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee and on the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Committee. An instructor may, at his discretion, appoint a time at which an announced test missed or not passed may be made up. Before a test can be taken, a receipt from the Business Office for a payment of a fee of one dollar (\$1.00) must be presented to the instructor by the student, unless this fee is remitted by the Classification Committee.

Field Trips: Field trips are looked upon by the faculty as an intimate part of certain courses. Permission for such trips is secured by instructors from the Courses of Study Committee at the beginning of each term. Instructors certify to the Recorder's Office the names of students participating in these trips.

Pre-Registration and Registration

On appointed days shortly after the publication of the catalog in the spring all resident students must fill out a schedule listing their choice of subjects for the following year. The fee for any change in this registration is one dollar.

New students prepare a program of study on announced days at the opening of each term.

Registration is completed by the payment of tuition and fees. The fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

Changes in Registration

A student has the privilege of modifying his schedule of studies by addition or substitution of courses, with the approval of his instructor and the instructor concerned, at any time within two weeks of the beginning of class work. Proper withdrawal from a course or from College within the six weeks period shall be indicated on the student's record by the grade of W. Thereafter a student withdrawing from a class or from College will receive the grade of W with a subscript indicating the grade of work at the time of withdrawal, except in those cases in which the Classification Committee decides that no grade other than a W be granted. Change of registration is completed until written authorization

to that effect has been sent from the recorder's office to the instructor concerned.

The one dollar fee for change of registration is waived in the case of new students registering for the first time.

Students are admitted to those courses only for which they are formally registered.

Students are not received later than two weeks from the beginning of class work.

Matriculation

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the standing of all students is provisional until after they have been in residence for one term. At that time those new students are matriculated who have shown themselves in accord with the standards of the College and who have made at least a C average on all work attempted during their term of residence.

Students failing to matriculate at the end of their first term of residence may be matriculated at the end of any subsequent term provided they have met all the above requirements including a C average on all work attempted during their whole period of residence.

Students are not candidates for a degree until they have been matriculated.

The Faculty Regulation on English

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Before any student is accepted to Junior standing he must satisfy a committee of the College of his ability habitually to use English of good quality. If, after the recommendation of this Committee, a student whose English is persistently unacceptable may be required to withdraw from the College at the end of any term by the joint action of the College Life and Classification Committees. Habitual and flagrant misspelling is considered a deficiency in English to which this regulation applies.

Responsibility for raising the level of a student's use of English lies solely with himself, inasmuch as it is not the policy of the College generally to undertake the teaching of basic secondary school subjects. Students who have weakness in expressing themselves in their mother tongue should bear in mind the value of certain important courses offered by the Department of English.

CURRICULUM

Monona College believes in a broad training as the best preparation for life. It feels that students should have a knowledge of many subjects in the humanities, the sciences, and the social sciences. For this reason the college prescribes no narrow course and encourages its students to select work in a number of fields. University regulations require a wide distribution between departments in the student's first two years.

Juniors and seniors may elect to continue with a general course or choose a major in a department or a division. Information on departmental majors will be found with the course announcements of each department. Honors work in a division or a department is available for juniors and seniors of superior ability who wish to pursue independent study.

The courses of study in the college are grouped in the following divisions:

I	II	III
Art	Astronomy	Economics
English	Biology	Education
Japanese	Botany	Geography
French	Chemistry	Government
German	Geology	History
Greek	Mathematics	Oriental Affairs
Italian	Physics	Physical Education
Latin	Military Science	Religion
Music	Psychology	Sociology
Philosophy	Zoology	
Public Address		
Spanish		

Faculty Advisers

Each new student is assigned to a faculty adviser, with whom he works during his first year in college. At the end of that time the student and the adviser, in the light of the student's interest, select from the faculty member with whom the student will work during the remainder of his college course. If at any later time a change is deemed wise it is made through the Personnel Committee.

Concentration in Special Fields

Under the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

Preparation: There must be sufficient basic work (courses

numbered 1 to 99) in the special field and in allied fields to ensure adequate preparation for carrying successfully the advanced work.

2. Concentration Requirement: Not less than eighteen hours of work in courses numbered over 100 in the field of concentration; six of these eighteen hours must be in courses numbered 150, and six of them must be taken during the Senior year.

3. Foreign Languages: For advanced work in most fields, reading knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is desirable. It is to the advantage of the student to acquire this reading knowledge before entering college.

4. Comprehensive Examination: In most fields the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration lies.

SUGGESTED PROGRAMS

Public Administration

It is suggested that, in addition to general courses in the humanities and the sciences, students intending to enter municipal, state, or national government services upon graduation, or to do graduate work in public administration, should gain a knowledge of accounting (Economics 5a-5b), statistics (Mathematics 58), personnel techniques (Psychology 156), and the principles of public administration (Government 104).

Also recommended are courses in constitutional law, English composition, United States history, public finance, and state and local government.

Additional information may be secured from the Department of Government.

A Suggested Pre-Medical Course

certain subjects have been designated by the Council on Medical Education of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the leading medical schools, however, have requirements well below this minimum, and from many more applicants than can be accepted, are selecting only those who are best prepared and have demonstrated the highest scholastic ability and laudable personal character. Pre-medical students are advised not to attempt to crowd minimum requirements into two years of college work, but to lay, in more leisurely fashion, a broad educational foundation. Breadth of view, culture, and a thorough grounding in the biological and physico-chemical sciences are the objectives of the pre-medical course.

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of most of the medical colleges in the United States. It can easily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical school in which the student may plan to attend.

Freshman Year		Junior Year	
	Units		Units
English 1 _____	8	Zoology 54 _____	4
English 1 _____	6	Zoology 117 _____	4
Mathematics 1 _____	6	Chemistry 57 _____	3
Latin 1 _____	6	Chemistry 103 _____	6
Science, Div. I or III _____	4	Chemistry 105 _____	2
Sophomore Year		Psychology 51 _____	6
Chemistry 53 and 55 _____	10	Electives, Div. I or III _____	6
Chemistry 51 and 52 _____	8	Senior Year	
Latin 53 _____	6	Zoology 115 _____	4
Science, Div. I and/or III _____	6	Remainder all electives.	

The Chemistry courses may be spread to three years if preferred.

Note, Chemistry Courses of Instruction.

Reading knowledge of both German and French is highly desirable. High School work in these languages and in Latin is recommended for those planning the medical course, and the program suggested above may be modified in accordance with previous preparation in these subjects.

For recently published information about subjects which medical colleges do not include in the stated requirements, but which are to

be recommended to pre-medical students, there is much diversity on many points, but practical unanimity on the desirability of six points:

More than one year of English and public address; mathematics, at least through trigonometry; both French and German; economics, sociology and philosophy; both comparative anatomy and embryology; physical chemistry.

A Suggested Pre-Engineering Course

Pomona's unusually strong departments of Chemistry, Geology, Mathematics, and Physics make it possible for the student to secure the science work basic to all branches of engineering, and the more detailed and specialized advanced courses demanded by the various special fields.

In addition, under the general heading of "Engineering Drawing," is offered a four year sequence of courses leading from the elements of mechanical drawing through machine and architectural drawing, mechanisms, descriptive geometry, to actual directed design of machine parts and engineering structures. In this last course, which may be repeated for credit, the student learns to use hand books and reference books and amplifies and applies his previously learned mathematics, mechanics, and physics.

Freshman Year		Junior and Senior Year	
	Units		
Chemistry 53		Mathematics 112	4
and 54, or 55	8 or 10	Mathematics 151	3
Mathematics 1	6	Astronomy or Geology	
Mathematics 7	4	Economics	
Foreign Language	6	Physics 111 and 151	
Elective	8 or 6	Mathematics 152	
Sophomore Year		Physics 195	
Economics 51	6	Physics 113	
Mathematics 65	6	Physics 110	
Mathematics 59 and 60	4	Pre-engineering students advised to take in their Junior and Senior years as many as possible of the above courses. In addition a six weeks' surveying course in surveying should be taken.	
Physics 51 and 52	8		
Elective	6		

A Suggested Course for Prospective Teachers

The courses in Education in Pomona College are designed to lay the general background that an intelligent citizen should have regarding one of the most important of our social institutions and at the same time prepare the prospective teacher for the more technical training in the graduate school.

Certificates: In California every public school teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon the presentation to the county board of education of a credential issued by the state board of education through its commission on credentials.

It is the policy of Pomona College to encourage students preparing for teaching to supplement their undergraduate course with additional work at Claremont Colleges or at some other graduate school. The recommendation for the credential then goes directly to the graduate school, using as a foundation the undergraduate curriculum pursued at Pomona College.

While the requirements vary for different certificates, the candidate for a general secondary credential must present a major consisting of a minimum of 24 units of work, 12 of which are in courses numbered over 100 in one subject matter field taught in high school; and a minor consisting of a minimum of 12 units, 6 of which are in courses numbered over 100 in another subject matter field taught in high school.

As much as some increase in these requirements is being considered by the state board of education, students who expect to enter the teaching profession in California should consult the education department by the beginning of their junior year.

Suggested program for the prospective teacher:

Freshman Year: Academic courses preparatory to the credential in view.

Sophomore Year: Education 53; Psychology 51; further work in the subject-matter to be taught.

Junior Year: Education 104; further work in the subject-matter to be taught, or in related fields.

Senior Year: Education 187 for special studies; Psychology 107. Further work in the subject-matter to be taught.

A Suggested Course for Prospective Teachers of Physical Education

This program, followed by a year of graduate work in Mont Colleges, will qualify the student for the general credit with a major in physical education.

Freshman Year		Sophomore Year	
	Units		Units
English 1 _____	6	Zoology 53 _____	3
Chemistry 53 and 54 _____	8	Sociology 51 _____	3
Biology 1 _____	6	Psychology 51 or 52 _____	3
Physical Education 5 _____	2	or 53 _____	3
Electives _____	8 or 10	Music 53 _____	3
Junior Year		Electives _____	3
Public Address 52 _____	4	Senior Year	
Psychology 107 _____	3	Physical Education 191 _____	3
Zoology 116 _____	3	(for men) _____	
Physical Education 126 _____	2	Physical Education 129 _____	3
Physical Education 123, 124 _____	4	Physical Education 154 _____	3
Physical Education 119 _____		Physical Education 152 _____	3
(for women) _____	2	Chemistry 114 _____	3
Education 53 _____	3	Psychology 108 _____	3
Electives _____	8 or 9	Electives _____	3

6 units of required Physical Education Activities.

It is suggested that the required Physical Education activities be so selected as to give the individual opportunity for both technical skills and leadership training in a wide range of activities.

A reading knowledge of French and German is highly desirable for students who plan to go on to graduate research in Physical Education.

A non-credit Camp Counselor's Training Course is held at Halon A.W.S. cabin at Idyllwild, for a two-week period immediately following commencement. This course aims to provide its members with experience in camping and other types of leadership, such as teaching and community recreation.

Graduate Work in Claremont Colleges

Graduate work in the literatures, in the social sciences, in the biological and physical sciences, in philosophy, psychology, religion, and in the fine arts and music, along with professional work in public school education and in psychology is conducted at Claremont Colleges using the combined staffs of Scripps College and Pomona College as well as its own appointees. This work is usually characterized by an informal mode of instruction possible only in an institution of this type where the standards are high and the number of students is limited. A catalog of graduate courses will be furnished upon request to the Director of Studies, Claremont Colleges, Claremont, California.

Three Year Program of Upper Division and Graduate Work

To enable Junior College graduates and others who enter with advanced standing to continue their education on the basis of a three-year program leading to the Master's degree as well as to the Bachelor's degree, Pomona College and Claremont Colleges have coordinated their offerings so that the closest articulation of undergraduate and graduate study is possible.

HONORS STUDY

Students who show the capacity and the inclination for more than average intellectual achievement may be permitted to study for the bachelor's degree *with honors*. Honors study is aimed at a deeper and more scholarly grasp of one's chosen field than is customary; it is also aimed at broadening one's intellectual horizons by the discovery and exploration of fields relevant to the special subject of inquiry. Although honors students are not expected to take all knowledge for their province, they are urged to gain it by means of a mature and thorough approach to their studies, a habit of intellectual discipline which will be valuable in later life.

To this end, students are encouraged to master a particular (major) field—not necessarily co-extensive with the subject-matter of one department—and inter-relate with that subject an understanding of one or two minor fields. An honors program forms a significant pattern of integrated study in two or three different fields in the curriculum; it frees the student's energies by allowing him, through a more flexible use of instruction, to pursue courses of study than is usual, to spend a considerable portion of his time in independent study. Released from as much academic routine as his instructors may approve, an honors candidate assumes responsibility for a profounder and wider knowledge than that expected of the ordinary student. He will be admitted to honors status only upon the basis of a record which shows proof of competency to carry on work of high quality; he will be continued only if he exercise initiative and self-direction, place scholarship consistently first among his interests, and maintain a high standard of scholarship in his honors program as well as in his other work. Successful demonstration of such achievement is ascertained by written and oral examinations taken at the end of the candidate's Senior year.

Conduct of Honors Programs

General administration of honors work is vested in the Committee on Honors. The major and minor fields of candidates for honors may lie (a) within one of the three Divisions of the curriculum: the Humanities, the Natural Sciences, or the Social Sciences. Each of these Divisions supervises the programs and studies of the candidates working within it. The Division lays down general rules as to seminars, research projects or thesis, as

be indicated, or reviews the regulations of the departments in the Division in this regard. In certain cases, however, the interests of a prospective candidate may lie (b) in departments not included in the same Division. Such a student may apply to the Committee on Honors for admission to candidacy in an inter-divisional program. If his choice of fields and proposed course of study be intellectually sound, his program may be approved by the Committee on Honors and carried out under its direct supervision.

Considerable freedom is allowed in the definition of fields. The candidate may adopt a relatively broad approach, surveying the whole scope of the subjects comprised in his major and minor interests with appropriately intensive work in some part or parts of them, the whole managed in such a way as will insure depth as well as breadth of knowledge. Or, on the other hand, he may specialize in his field (s), so as to concern himself primarily with a relatively more narrow period or aspect of his allied subjects. Since the very essence of honors work is the promotion of independent scholarly endeavor of high quality, the specific definition of fields should generally be determined by cooperative discussion between the student and the Division, or the Committee on Honors, as may be appropriate.

Application for Honors

Normally at the end of the Sophomore year (but not later than the beginning of Senior year) a student may apply for candidacy for the degree with honors. The application form, obtainable from the Recorder or the Secretary of the Committee on Honors, sets forth a program of honors work formulated with the approval of the faculty member (s) with whom the candidate intends to study. If the past academic record of the candidate is of high quality, and if his program meets the requirements of the Division involved (or of the Committee on Honors in cases of inter-divisional programs), the application may be accepted by the Division and then by the Committee on Honors. An adviser (or advisers), under whose immediate guidance the student will carry out his honors work, will be appointed by the Division or the Committee on Honors. Individual requirements in courses pursued outside the honors scheme are set by the instructors concerned. Copies of the program of a candidate for honors should be submitted with his adviser (s), with the secretary of the Division in-

volved, and with the Committee on Honors. The candidate's registration must be approved each semester by his adviser and a member of the Committee on Honors. He is expected to devote a very considerable portion of his time to independent study throughout his Senior year, a candidate must devote at least one-fifth of his program of studies to honors work or its equivalent. An honors student will not, therefore, be permitted to vitiate the honors scheme by carrying a full course-load in addition to the schedule of independent study, nor will he be allowed to use the honors plan merely as a device for accumulating credits or hasten toward graduation.

Withdrawal from Honors

A candidate for the degree with honors may withdraw his candidacy at his own request with the approval of the Division concerned and the Committee on Honors. In case the performance of a candidate falls below a standard of high quality either in his honors work or in his courses, he may be withdrawn from candidacy by the Committee on Honors. If, for any reason, a candidate leaves the honors status, the Division concerned must certify to the Committee on Honors the credit and grade to which the student is entitled for work done under its supervision.

Honors Examinations

Evidence of the success of the candidate in his honors work is measured by written and oral examinations administered toward the close of Senior year. Each Division assembles questions from participating departments to form the various parts of the Divisional examination; it determines, in cooperation with the Committee on Honors, the dates for such written examinations and conducts them. The candidate writes on such parts of the Divisional examinations as relate to his program of honors work. In the case of inter-divisional programs, the candidate writes on such parts of the various Divisional examinations as may be appropriate.

In addition to the written comprehensive examinations, a candidate for honors will take an oral examination, the purpose of which is to supplement the examinations previously taken. In it, the candidate is responsible for the entire scope of his honors study. Each oral examination is administered by a board selected cooperatively by the Division concerned and the Committee

ors. This board of examiners, which consists of at least three members drawn from the fields in which the candidate has done major or minor work, shall also include the candidate's adviser. The Committee on Honors shall delegate one of its own members to act as chairman of each oral examination. It may also, upon recommendation from the appropriate Division, appoint a suitable "outside" examiner not on the Faculty of Pomona College.

A candidate taking courses outside his honors program is, nevertheless, subject to the ordinary requirements with regard to examinations in such courses. He may be exempted at the discretion of the instructors concerned from taking course-examinations scheduled in the fields of his honors program.

The Degree with Honors

After having received the reports of the examiners, the adviser's recommendations, and other relevant evidence, the Division concerned (in the case of inter-divisional candidates, the Committee on Honors), assesses the candidate's performance and recommends to the Committee on Honors the academic grade and credit to which the candidate is entitled for his honors work, and the class of honors which, in its judgment, he merits. After considering the evidence presented, the Committee on Honors certifies to the Division the academic grade and credit which the candidate has earned, and recommends to the Faculty that he be awarded the bachelor's degree *with honors, high honors, or highest honors*, as seems appropriate. Such honors, when voted by the Faculty, are announced in the Commencement program and recorded upon the graduate's diploma.

A student who does not merit honors but whose credit warrants graduation, will be recommended by the Committee on Honors for graduation in course (*rite*).

DIVISION I

Honors Study in the Division of the Humanities

In Division I there are available two types of Honors program for qualified students whose special fields of interest lie in the division:

Departmental honors, intended for students whose interests lie in some one department. Most departments are prepared to supplement their course offerings by special work, suited to the varying needs of individual students. Interested students should consult instructors in their departments for assistance in working out an acceptable program which will meet their particular needs.

Divisional honors, intended to allow students an opportunity to do more mature, independent and concentrated work than is available in ordinary courses; but at the same time to avoid the more restricted specialization of departmental honors. To this end a number of special offerings in Honors have been arranged so that students may secure a balanced and integrated introduction to the whole field of the Humanities. Students interested in divisional honors should consult a member of the faculty teaching in Division I for information about the honors programs.

DIVISION II

Honors Study in the Natural Sciences and Mathematics

Honors work is available in the individual departments in the division, and the departments should be consulted by interested students.

DIVISION III

Honors Study in the Social Sciences

*Concentration in field:*¹ The student working for honors in the social sciences will undertake integrated sequences of study in two departments, one of which shall be his major and the other his minor field of concentration. In each department he will complete the basic course.² In his field of minor concentration he will, in addition, complete an advanced course or courses involving at least one semester hours of credit and including a reading course designed to effect an integration of his major and minor fields. He will maintain a "B" average in the social sciences, will complete at least 12 hours in courses numbered over 100 in the field, of which at least 12 must be in courses numbered over 150, and will include courses 191 and 192 in the department of major concentration.

Foreign Language: Usually by the beginning of the Junior year but not later than the middle of his Senior year, the student is required to file with his Adviser a written certificate of his ability to read French or German, issued by a member of the faculty designated to examine in those languages.

Comprehensive Examinations: The work of a candidate culminates in written and oral comprehensive examinations, administered by the social science faculty. The written examination consists of two parts: (1) one designed to test his knowledge of the field of minor concentration, and (2) one intended to reveal mastery of the field of his major concentration. The passing of both parts of this examination will exempt the student from further examinations in social sciences at the end of his Senior year. In his oral examination the student is examined by representatives of the departments of his major and minor fields of concentration.

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Departmental concentration, or major, is offered in any one social science. Economics 51, Government 2, History 1, Religion 5 and 6 or 103, Sociology 51.

COURSES OF INSTRUCTION

Designation of Courses

Course Numbers: Elementary courses numbered below 50 are given in freshman or sophomore year. Courses numbered 50 and above are either those which follow the course of the previous year or the more advanced beginning courses. Courses numbered over 100 are for Juniors and Seniors and may not be entered by students without previous work in the same field.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-unit courses are offered, two semester courses should be completed to secure the counting of units toward grade-points toward graduation.

Hyphen Course: When course numbers are connected by a hyphen they cover a common subject and the entire sequence should be taken. *Comma Course:* When course numbers are connected by a comma, although the course extends throughout the year, independent credit is given for the work of the first term. Entrance to the second term is by permission of the instructor.

All courses are three units each unless otherwise designated.

Courses in Scripps College

In addition to the following courses there will be announced at registration time certain courses in Scripps College open to Pomona Juniors and Seniors under approved conditions. Each Pomona student in residence in Pomona College shall, however, secure not less than half of his registration each academic year for courses in Pomona College.

Art

Students wishing to concentrate in Art as their major subject for the B.A. degree may elect courses in Design, Drawing, Painting, Sculpture and pre-Architecture. A theoretical knowledge of all these fields is desirable and practical work should be taken in two of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization. The student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year the student taking Honors in Art will give a separate exhibition of his work of that year.

For each unit of credit in Art, except in 51 and 112, there is required a minimum of one hour of assigned reading and two hours of studio work per week. Students are urged to prolong these periods when other work permits.

The total number of hours of Applied Art accepted toward graduation is 16, so distributed as not to exceed 8 hours in courses numbered under 100. In courses where lecture and laboratory work are combined, the work is counted half theory and half applied. Special fees for work in applied art are as follows: courses numbered 9, 65, 107, 162, \$12.50 per unit. All other courses \$5 per unit.

a. Design and Drawing.

Mr. Beggs

The study of order in the graphic arts. The appreciation of form and its expression in pencil, charcoal and color. 2 units. WF, 1:15 to 3:05.

b. Sculpture.

Mr. Jurecka

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. Two sections. TTh, 1:15 to 3:05. WF, 3:15 to 5:05.

c. History of Art.

Mr. Beggs

A study of the historical development of art with especial attention to national genius and expression. The Classic, Early Christian, Byzantine and Medieval Periods will be studied in the fall term, and Renaissance, Baroque, Neo-Classic, Romantic, Realistic and Contemporary Art in the spring term. MWF, 9.

d. Advanced Drawing and Design.

Mr. Beggs

The rendering of form, particularly the head, in charcoal, lithograph crayon and water color. This may be related in the spring term to industrial, commercial or fine art problems according to individual preference. 2 units. TTh, 1:15 to 3:05.

65a-65b. Advanced Sculpture. Mr. Ju
Problems in applied ornament. Portrait study from cast and model. Studio methods; casting and armatures. 2 units. 3:15 to 5:05.

103a-103b. Life Drawing. Mr. Ju
Anatomical function and the construction of the human Prerequisite 61 or equivalent. 2 units. TTh, 3:15 to 5:05.

107a-107b. Sculpture from Life. Mr. Ju
Modeling from life. Figure, portrait in the relief and in the Laboratory and related work. 2 units. WF, 1:15 to 3:05.

112a, 112b. North European Art. Mr. Bau
Following an analysis of the basic differences between Renaissance and Baroque in Italy, Germany, and the Low Countries, attention is paid to national characteristics and the influences bearing them as well as to the particular achievements of great artists such as Titian, Durer, Rubens, Velasquez, Rembrandt, etc. 2 units. MW, 11.

120a-120b. Painting. Mr. Ju
Practice in Still-life and Landscape is adapted to a study of the techniques of various historic schools of oil painting. The principles are explained by means of a system of set palettes which affords a better understanding of painting principles and an opportunity for the development of individuality of manner. 2 units. WF, 3:15 to 5:05.

162a-162b. Advanced Sculpture from Life. Mr. Ju
Advanced composition in both relief and the round. Development of original conceptions. Study of color effects in sculpture. Laboratory and related work. 2 units. M 1:15 to 5:05.

185a, 185b. Problems in Applied Art. Mr. Ju
Opportunity is given for the pursuit of individual projects in the graphic arts to suit the interest and ability of the student. 2 units. Arranged.

Graduate work in the history of art and architecture and in art is available under the auspices of Claremont Colleges.

Astronomy

The general prerequisites for upper division courses or for concentration in the department are Astronomy 51, its equivalent, or a satisfactory preparation in physical science.

Students in courses numbered over 100 participate in certain regular observing programs, full expression being given to individual aptitudes and preferences. These observations deal principally with the varying activities of the sun.

b. An Introduction to Astronomy. Mr. Whitney presents the general facts of historical and modern astronomy in non-technical form suited to students with a minimum of science preparation. An acquaintance with the starry heavens is sought and an appreciation of man's relation to the surrounding universe. Regular evenings with the telescopes at the Brackett Observatory, alternate weeks and in smaller groups, are supplemented by project assignments and field excursions. Classroom two hours per week; observatory, etc., one period per week.

For students with satisfactory preparation in physical science and mathematics, additional work in class and laboratory is offered, giving 1 additional unit of credit; the extra time to be arranged. Laboratory fee \$3.00 per term. 3 or 4 units. MWF 11.

Meteorology. Mr. Whitney introduces to the basic principles of the science including also practice in the operation and maintenance of the weather bureau instruments at the observatory; visual and photographic studies and classification of cloud formations in relation to existing weather, and the general principles of weather forecasting. Laboratory fee 2 units. Each term. Class W and F, 1:15.

Navigation. Mr. Whitney deals with practical problems in the astronomy of position. Observations with the telescope, transits, and sextant are applied to the determination of time, latitude, and longitude in a study of the theory and practice of marine and aerial navigation. Classroom and laboratory 3 units. Each term. Laboratory fee \$3.00. Class, M, 1:15. Laboratory arranged.

Celestial Mechanics.* Mr. Whitney offers a short course in the application of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems on the prediction of eclipses and occultations and on the computation of the orbits of comets. 3 units. Term and time arranged.

156. Astrophysics.*

Mr. Whit

Considers the applications of the principles of modern physics and chemistry to a study of stellar and cosmic problems and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations are both visual and photographic. Classroom one hour; observatory two periods. Laboratory fee, \$3.00 per term. 3 units. Term and time arranged.

180. Investigations in Astronomy.

Mr. Whit

A unified program of investigation in some particular field such as variable stars, double stars, lunar studies, solar phenomena, meteor observations, etc., is arranged. Each term 1 to 4 units. May be repeated for credit. Laboratory fee, \$2.00 per unit per term. Open to qualified Juniors and Seniors. Arranged.

*155 and 156 are offered for majors in the department or students with advanced preparation in mathematics and physics. They will not be given concurrently but term and time will be arranged in accordance with demand.

Graduate work in Astrophysics and Celestial Mechanics is available under the auspices of Claremont Colleges.

Biology

A student emphasizing biological science is ordinarily expected to have Biology 1, followed by an integrated program in either Entomology or Zoology or both. A reading knowledge of German and French and some training in the physical sciences are also expected according to the needs of the individual.

1a-1b. General Biology. Mr. Hilton, Mr. Munz and Assistant

A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany, or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the project method will be fitted to the preparations, needs, and interests of individuals or groups. Laboratory fee, \$6.00 each term. Class M and W, 9:00-11:00; laboratory, field trip, or demonstration M,T,W,Th or F, 1:15-4:10.

Bacteriology.

Mr. Pequegnat

General study of important bacteria, methods of culture and study, and importance in disease and agriculture. Prerequisite: one year of biological work. Laboratory fee, \$8.00. Breakage deposit \$5.00. Spring term. 4 units. Class, arranged; laboratory, TF, 1:15-4:10.

Genetics.

Mr. Munz

A non-laboratory course covering modern developments in the study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems and discussions. Prerequisite: one year of biological work. Fall term. MWF, 8.

Bionomics.

Mr. Hilton

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to those who have had a year of biological work. May be taken with Zoology 161 for three hours. Spring term. 2 units. MW, 8.

The scientific collections and library available at Claremont, as well as the geographic location, make desirable certain types of work for the master's degree, particularly in Entomology, Neurology, certain phases of marine and desert Ecology, Anatomy, Plant Morphology, Algae, and Plant Taxonomy.

Botany

Field Botany.

Mr. Munz

An elementary non-technical course in local flora, with much field work. No prerequisite. Laboratory fee, \$3.00. Spring term. 2 units. Class, S, 8; laboratory, F, 1:15-4:10.

52b. General Botany.

Mr. Munz

An elementary course for those wishing general information concerning plants and their importance to men, as well as foundation work in botany. Special attention will be paid to the plant as a living organism and to its propagation, to field work on ornamentals and natives, and to a survey of the plant kingdom. No prerequisite. Laboratory fee \$5.00 each term. Class, TTh, 10; laboratory, T 1:15-4:10.

Plant Physiology.

Mr. Munz

Study of physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching of biology, and for

botany majors. Prerequisite: Botany 52. Laboratory fee, \$8.00. Breakage deposit, \$5.00. Fall term. Class arranged; laboratory, W, 1:15-4:10.

155a, 155b. Taxonomy.

Mr. M.

Study of our local flora and more common cultivated ornamentals. Principles and methods of classification and taxonomic work. Much field work with trips to desert, mountain, and shore. Study of plants in their native conditions. Prerequisite: Botany 52. Laboratory fee, \$7.00 each term. Alternates with 157. Fall term. Class, A; laboratory, M, 1:15-4:10. Spring term, class, A; laboratory, MW, 1:15-4:10. (Omitted in 1942-43)

157. Comparative Morphology of Green Plants

Mr. M.

The anatomy with special reference to vascular tissues from an evolutionary point of view. Morphology covering life-history, evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Botany 52. Laboratory fee, \$7.00. Spring term. 4 units. Alternates with 155. Class arranged; laboratory, MW, 1:15-4:10.

181. Botanical Problems.

Mr. M.

Special work, largely individual, and primarily for majors in the department. Each term. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. Laboratory fee, \$2.00 per unit of credit. Arranged.

Zoology

53. Physiology.

Mr. Pequegnat

A general survey of the functions of organ systems and their integration in the organism as a whole. Although some consideration is given to lower animals, particular attention is focused upon the human subject. Designed to fulfill the requirement of study in physical education and pre-nursing curricula, and to increase the scope of majors in the department. Prerequisite: Biology 1; elementary chemistry preferred. Fall term. Class MF 8; laboratory, F, 1:15-4:10. Laboratory fee, \$6.00. Breakage deposit, \$5.00.

54. General Zoology.

Mr. Hill

An outline of the animal kingdom, vertebrates and invertebrates, structure and classification. Prerequisite Biology 1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the department. Laboratory fee, \$8.00. Fall term. 4 units. Class TTh 8; laboratory, TTh 1:15-4:10.

56. Field Zoology.

Mr. Pequegnat

An elementary non-technical course in natural history of local

vertebrates. Largely field work, dealing with recognition of common forms, life histories, food habits and ecological factors in distribution. No prerequisite. Laboratory fee, \$3.00. Spring term. 2 units. Class T, 9. Laboratory, Th. 1:15-4:10.

Comparative Anatomy. Mr. Pequegnat
A study of the structure of vertebrates. Prerequisite: Zoology 54. Laboratory fee, \$8.00. Fall term. 4 units. Class, TTh, 8; laboratory, TTh, 1:15-4:10.

Human Anatomy. Mr. Pequegnat
A course designed to meet the requirements of majors in physical education. Prerequisite: Biology 1 and Zoology 53. Laboratory fee, \$6.00. Spring term. Class, W, 8; laboratory, MW, 1:15-4:10.

Embryology. Mr. Hilton
A study of early development and the formation of organs, with special reference to vertebrates. Prerequisite: Zoology 54. Laboratory fee, \$8.00. Spring term. 4 units. Class, TTh, 8; laboratory, T, 1:15-4:10 and three hours to be arranged.

Entomology. Mr. Hilton
A general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Zoology 54. Laboratory fee, \$6.00. Spring term. Class, T, 10. Laboratory arranged.

Systematic Vertebrate Zoology. Mr. Pequegnat
Consideration of problems involved in systematic vertebrate zoology such as life histories, distribution, migration, general habits, groups local as well as more general types. Including class work as well as laboratory and field work. One class, two laboratory periods. Prerequisites: Field Zoology or General Zoology. Laboratory fee, \$6.00. Fall term. Arranged.

Histology. Mr. Hilton
The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology 53 or 54. Laboratory fee, \$8.00. Fall term. Class, T, 10. Laboratory by appointment. One class, two laboratory periods. (Admitted in 1942-43)

Neurology. Mr. Hilton
A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. Prerequisite: Zoology 153. Laboratory fee, \$6.00. Spring term. Class T, 9. Laboratory by appointment. One class, two laboratory periods. (Admitted in 1942-43)

161. Zoological Literature.

Mr. H

Reviews of important contributions in all fields of recent zoological literature. Open to Juniors and Seniors. Spring term. May be repeated for credit. 1 unit. F. 8.

183. Zoological Problems.

Mr. Hilton and Mr. Peque

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy or Embryology and have had Sophomore work in Zoology. Problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structure. Each term, 1 to 3 units. May be repeated for credit. Laboratory fee, \$2.00 per unit when Laboratory work is involved. Arrangements for a Conference hour sometime during the following hours. M. 9-11; TTh, 9-10.

The Department of Zoology conducts summer work at the Laguna Beach Marine Laboratory, Professor W. A. Hilton, Director.

Chemistry

NON-TECHNICAL COURSES

1a, 1b. A Survey of Chemical Science.

Mr. T

For students who do not have in mind a scientific career, but who wish to gain some knowledge of the physical sciences as part of their general education. By confining the scope of study to one field, effort is made to give the student satisfactory depth of understanding of scientific method and the philosophy of science. During the Spring term emphasis is laid on the place of chemistry in human affairs. No laboratory work is required. Fee, \$2.00 per term to defray expenses of lecture demonstrations. MWF, 10

114a-114b. Nutrition and Foods.

Mr. Robin

A survey of present-day knowledge of the nutritional factors necessary for optimum health, the various classes of food-stuffs and their nutritional value, the food budget, purchasing, and planning a dietary to meet the requirements of different individuals and groups. No prerequisite. 2 units. TTh, 8.

FOUNDATION TRAINING FOR SCIENCE STUDENTS

Note: A comprehensive foundation in chemistry is required for majors in chemistry and in the biological-chemical field, for pre-medical students and for some other fields of scientific work.

The following courses are included in such a program:

Inorganic chemistry: 53a-53b and 54a-54b, or 55a.

Qualitative analysis: 55b.

Quantitative analysis: 57.

Organic chemistry: 103a-103b and 104a-104b, or 105.

All of these may be completed within a total of 3 terms, or they may be taken in a less concentrated schedule.

Students who have a professional objective requiring only one year of chemistry should find out whether qualitative analysis is to be included. If so, registration should be for 53a-53b and 55a, 55b (10 units). Those to whom qualitative analysis is not important should register for 53a-53b and 54a-54b (8 units).

53b. Inorganic and Elementary Theoretical

Chemistry.

Mr. Robinson

Lectures, demonstrations and discussions in which attention is given to the philosophy of the scientific method and to the significance of scientific developments in human affairs, as well as to the more technical aspects of the science of chemistry. Special provision is made for those who have not had secondary school chemistry. This course is to be accompanied by a laboratory course, either 54 or 55. TThS, 9.

54b. Laboratory Studies in General Chemistry.

Mr. Elliott

Concurrent with 53. 1 unit each term. Laboratory fee, \$6.00 each term. Breakage deposit \$10.00 per term. Laboratory, T, 1:15-4:10.

55b. General Chemistry Laboratory and Qualitative

Analysis.

Mr. Tyson

Concurrent with 53a-53b; or 55b may be taken independently. The fall term covers the same ground as 54a-54b; 2 units. The spring term is laboratory practice in systematic semimicro qualitative analysis; 2 units. Laboratory fee, \$10.00 each term. Breakage deposit \$10.00 per term. Laboratory, ThF, 1:15-4:10.

57. Elementary Quantitative Analysis.

Mr. Elliott

The principles of quantitative analysis and chemical calculations. Laboratory practice in the simpler gravimetric and volumetric methods. Prerequisite: One year of college chemistry with laboratory. Laboratory fee, \$10.00. Breakage deposit \$15.00. Fall term. Class, S, 8; laboratory, WF, 1:15-4:10.

103a-103b. Organic Chemistry.

Mr. Robin

Lectures, demonstrations and discussions, relating to the chemistry of carbon compounds, including a survey of physical-chemical fundamentals and their application in this field. Practical developments of organic chemistry are stressed. It is expected that laboratory work (104a-104b or 105) shall be concurrent with this course. Prerequisite: At least one year of college chemistry, including laboratory work. MWF, 11.

104a-104b. Laboratory Methods of Organic Chemistry.

Mr. Robinson and Assist

Reactions and syntheses of carbon compounds. 1 unit each term. Laboratory fee, \$6.00 each term. Breakage deposit \$10.00 per term. Laboratory, T or W, 1:15-4:10.

105. Laboratory Methods of Organic Chemistry.

Mr. Robinson and Assist

For students who wish to take Chemistry 57 the first term. Complete in one term the same work done in 104a-104b. Laboratory fee, \$12.00. Breakage deposit \$20.00. Spring term, 2 units. Laboratory, TW, 1:15-4:10.

107. Advanced Quantitative Analysis.

Mr. Ell

A continuation of Chemistry 57 for those students who wish to gain a more comprehensive knowledge of the theory and practice of quantitative analysis. Conferences will be held during laboratory periods. Laboratory fee, \$10.00. Breakage deposit, \$15.00. Spring term. Three laboratory periods, WF, 1:15-4:10 and arranged.

ADVANCED COURSES FOR STUDENTS CONCENTRATING
IN CHEMISTRY AND BIOCHEMICAL SCIENCES

155a-155b. Biological Chemistry.

Mr. Ty

The chemistry and physical chemistry of materials important to plant and animal organisms, and chemical aspects of the life processes of organisms. Most of the laboratory experiments employ quantitative technic. Prerequisite: General, analytical and organic chemistry. Laboratory fee, \$6.00 each term. Breakage deposit \$10.00 per term. Class, WF 9; laboratory, W, 1:15-4:10.

159a, 159b. Physical Chemistry.

Mr. Ell

A general review of the fundamental physico-chemical concepts and principles with numerous illustrative problems, and laboratory practice in physico-chemical measurements. Prerequisite: For fall term, a Junior course in either chemistry or physics; for spring term, differential and integral calculus are also required. Laboratory fee, \$8.00 each term. Breakage deposit \$10.00 each term. Class, TTh 10; laboratory, M, 1:15-4:10.

181a. Crystal and Molecular Structure.

Mr. Elliott

Theoretical and practical work in the analysis of the structure of crystals by means of X-Rays. May be taken as a continuation of Geology 105. Prerequisites: A Sophomore course in mathematics and a Sophomore course in either chemistry, geology or physics; also the consent of the instructor is required. 2 units. Laboratory fee, \$2.00. No breakage deposit required. Spring term. Arranged.

181b. Chemistry Conference.

The Staff

Oral or written reports by students, on material found in current chemical literature; discussions of research methods, the trend of present-day research, and recent developments in theoretical and applied chemistry. Each term. One unit. May be repeated for credit. M, 1:15.

183b. Methods in Chemistry.

The Staff

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, or biological chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of such courses, and written reports are required. Prerequisites: Analytical and organic chemistry and consent of instructor. 2 or 3 units. Each term. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

191b. Research in Chemistry.

The Staff

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or biological chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 2-6 units. Each term. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

Graduate work in a considerable range of specialized fields of chemistry is available under the auspices of Claremont Colleges.

Classics

For concentration in Latin, students are required to elect the following courses: 53, 105, 107 and 159 (both sequences). They are advised to include Greek 51, Art 51, and Philosophy 55.

GREEK

51a-51b. Elementary.

Mr. Rob

First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature; Book 1 of Homer's Iliad. MWF, 1:15.

101a, 101b. Selections from Greek Literature.

Mr. Rob

MWF, 1:15. (Omitted in 1942-43).

LATIN

1a-1b. Elementary.

Mr. Rob

An introductory course in the rudiments of the Latin language. MWF, 11. (Omitted in 1942-43).

53a-53b. Cicero, Pliny and Horace.

Mr. Rob

Cicero, De Senectute; Pliny, Selected Letters; study of the life and times of the late Roman republic and early empire. Horace, Odes and Epodes; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. TThS, 9.

105a-105b. Composition.

Mr. Rob

Review of Latin grammar; translation of sentences and connection of discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be re-elected for credit and is required of students majoring in Latin. One unit. Arranged.

107a, 107b. Roman Comedy and Elegy.

Mr. Rob

Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. MWF, 8.

159a, 159b. Roman History and Biography.

Mr. Rob

Two sequences of readings are offered in alternate years. a, Roman philosophy, satire, and pastoral poetry; b, Roman history and political antiquities. The course may be repeated for credit in successive years. In 1942-1943 sequence b. MWF, 3:15.

Graduate work in Roman Literature is offered under the auspices of Claremont Colleges.

Economics

A student who contemplates concentration in Economics, with the possibility of honors, is urged to consult a member of the staff of the department for advice, and should plan to take the basic course in Principles of Economics (51a-b) in the sophomore year. Accounting (Economics 5a-b), Mathematics of Finance (Mathematics 57), and Statistical Methods (Mathematics 58) are recommended as fundamental tool subjects especially helpful in preparation for upper division courses in Economics, and should be elected within the first two college years, if possible. The student who looks forward to a professional career in law, business, social service, or public administration will do well to include several courses in Economics in his program of studies, along with appropriate courses in related social sciences. Unless otherwise indicated, Economics 51a-b is prerequisite for all upper division courses in the department.

a. Accounting. Mr. Ness
A study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. MF, 11, and T or W, 1:15-4:05.

b. Principles of Economics. Mr. Duncan
The basic course in the general principles of Economics, including current problems. Required for students expecting to emphasize the study of Economics and prerequisite for advanced courses in Economics. Not open to Freshmen. Economics 5 not prerequisite for Economics 51. Two sections. MWF, 8, 9.

Money and Banking. Mr. Ness
Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to supply society with adequate media of exchange. Fall term. TThS 9.

Corporation Finance. Mr. Duncan
Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including the study of cooperative organizations. Prerequisite: Economics or equivalent training in Accounting. Fall term. TThS, 8.

Public Finance. Mr. Duncan
Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Spring term. TThS, 8.

Economic Problems of Latin America. Mr. Duncan
Study of the economic and cultural problems of the Latin Ameri-

can countries, with attention to economic resources, industrial commercial relations, and recent socio-economic changes. Previous courses in Economics and a working knowledge of Spanish desirable, but not prerequisite. Fall term. MWF, 11.

120. Public Utility Economics.

Mr. C.

An historical and analytical study of public utility problems in the United States. Illustrative material is drawn from the railway and electric utilities, but particular emphasis is laid upon the economics of overhead costs, the role of competition, and regulation. Spring term. MWF, 10.

153. International Economic Policies.

Mr. C.

A study of the basic factors in international economic relations conditioning the formulation of international economic policies: a survey of mercantilism, liberalism, socialism, industrialism, nationalism and imperialism, emphasizing international economic aspects. International economic adjustments subsequent to the World War and international economic factors in depression. Commercial treaties. Fall term. Permission of instructor required. Arranged.

154. Principles of International Trade.

Mr. L.

A study of the nature and principles of international economic relations. An analysis of the balance of payments and the process of its equilibrium is followed by a study of the course and theory of the commodity trade and the movement of capital and labor from country to country. Spring term. TThS, 9.

157. Economic Problems of the Orient.

Mr. Dur.

A study of the economic, social and political problems of the Far East with special reference to current conditions in China. Enrollment restricted to seniors expecting to concentrate in Social Science and to others by special consent of instructor; previous courses in Economics not prerequisite. Fall term. (Omitted 1942-43).

158. Monopolies and Trusts.

Mr. Bur.

A study of the economic principles and the legal status of monopolies. Fall term. MWF, 9.

190. History of Economic Thought.

Mr. C.

A survey of the development of economic science and policy from the forerunners of the classical school to the present day. Spring term. Permission of instructor required. Arranged.

191. Economic Theory.

Mr. P.

A systematic study of the theoretical tools of analysis used in

consideration both of the economic system as a whole and the particular problems which arise within it. Fall term. MWF, 10.

Economic Cycle Theory.

Mr. Duncan

An introduction to the general problem of economic change and the theory of cycles. The course includes an explanation of the simpler statistical methods employed in cycle analysis and particular attention is given to the phenomena of the depression period of the '30's and various proposals for the control of cyclical movements. Business barometers and the problems of forecasting economic change. Mathematics 58 or equivalent training in statistics recommended before enrolling in this course. Spring term. TWF, 11.

Education

Introduction to Education.

Mr. Fitts

A course designed for those who desire an understanding of the American school system as a social institution. This course or equivalent prerequisite for all other courses in Education. Fall term, MWF, 9. Spring term, TThS, 9.

104b. History of Education.

Mr. Fitts

The development of educational theory and practice from the Greek period to the present, with an attempt during the spring term to make a comparison of the established systems in America and typical European countries. History 1 or equivalent recommended as a prerequisite. 3 or 4 units. A registration of 4 units requires permission of the instructor. Prerequisite: Education 53. TWF, 11 and arranged.

187b. Problems of Education.

Mr. Fitts

Emphasis is placed upon current educational problems and literature, especially in the field of college and university education. Students may consider individual problems. Instructor's permission required for registration. TTh, 10 and arranged.

A wide range of graduate work in Education leading to the various credentials as well as to the degree of Master of Arts is offered under the auspices of Claremont Colleges.

English

English 1 or an equivalent is prerequisite for all other departmental courses, and English 55 is a required course for students majoring in English. Writing is an emphasized feature of all Freshman and Sophomore courses. Book lists published by the department and the guidance of independent reading are available to all students and are especially recommended to those who plan to enroll in Junior or Senior courses in English.

The minimum formal requirement for concentration in English is twenty-four units of satisfactory work in courses numbered 100, two of which are numbered over 150. The individual program may emphasize writing or literature. The study in connection of at least one language and literature other than English is specifically recommended. Also desirable for a program of concentration in English are courses in foreign literature in translation offered by the language departments; in the English Bible (English 55); and in history and philosophy. Information concerning Honors programs in English may be obtained from any member of the Departmental Staff.

- 1a, 1b. English: An Introductory Course. The Departmental Staff. A brief review of grammar and the mechanics of writing; instruction and practice in writing; reading and study of the more important literary types, together with the fundamental principles of literary criticism and interpretation. Prerequisite for all other departmental courses. Men: in section meetings TThS, 8; women: in section meetings MWF, 8.

55a, 55b. Nineteenth Century Literature.

Mr. A.

Intensive reading of the major poets and prose-writers of the period, with collateral reading of selected novels. In the course emphasis will be given to literature as (1) an artistic expression of the life, thought, and character of the individual writer, and as (2) a reflection of the important intellectual, social, and historical movements of the century. Juniors and seniors may register for this course only on the written recommendation of the instructor. MWF, 9.

57. Introduction to Drama.

Mr. L.

Great plays of various periods from the classic Greek to the present day; as extensive reading as time will permit. Fall term. MWF, 10.

58. Types of Prose Fiction.

Mr. Davis and Mr. H.

A general survey of important works in prose fiction with emphasis upon selected novels—English, American, and continental—from the eighteenth century to the present. Two sections. Spring term. MWF, 10.

6rb. Character Presentation in Dramatic Literature.

Mrs. Allen

An approach to dramatic literature through the actor's art with some consideration given to the history of theatre practice and contemporary production methods. Scenes from plays, both classic and modern, will be studied with special emphasis on effective interpretation. Instructor's permission required for registration. TThS, 10.

English Composition.

Mr. Holmes and Mr. Strathmann

Instruction and practice in the various types of composition with emphasis upon expository writing. Fall term. Two sections. TThS, 9.

Advanced Composition.

Mr. Lincoln

A course for students who, having mastered the fundamentals of clear and logical expression, wish to continue with the basic creative problems of description and narration. Laboratory exercises, assigned problems, and critical discussion. Prerequisite: A degree of distinction in Course 63 or its equivalent and the permission of the instructor. Spring term. TThS, 9.

ADVANCED COURSES

10rb. The Renaissance in England.

Mr. Strathmann

English literature of the Renaissance, dramatic and nondramatic. Chaucer, Shakespeare, Bacon, and Milton are the principal writers studied, and the enduring contributions of the Renaissance to English literature, in thought, forms, and materials, are major topics. MWF, 10.

103b. Literature of the Eighteenth Century.

Mr. McCulley

The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and the Continent. MWF, 9.

105b. American Literature.

Mr. Lincoln

The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. TThS, 10.

The Short Story.

Mr. Mulhauser

Practice in the writing of short stories and sketches. Consideration of the critical principles of the short story and criticism of both student and professional work. Spring term. MWF, 11.

112. Playwriting.

Mrs. A

The theory of playwriting with supervised practice in this technique. A study will be made of the structure and style of significant plays for their light on the problems of the beginning playwright. Fall term. MWF, 11.

151. Creative Writing.

Mr. Lir

Supervised practice in all forms of creative writing. Student matters and fields of literary interest. Fall term. T, 1:15-3:05 F, 1:15.

153. Chaucer.

Mr. Lir

A study of Chaucer as the outstanding narrative and dramatic of the transition from the medieval to the modern world. term. MWF, 9.

154. The English Language.

Mr. Lir

A survey of the English language from Chaucer to the present day, directed toward an understanding of modern English usage. Topics studied include changes in pronunciation, vocabulary, grammar, and syntax; problems in modern English usage; and current theories of language in relation to literature. The course is recommended especially, but not exclusively, for prospective teachers of English. Fall term. MWF, 9. (Omitted in 1942-43)

155a, 155b. Shakespeare.

Mr. Davis and Mr. Strathm

A study of the principal plays and of Shakespeare's career as dramatist, with attention to the working conditions of the Elizabethan stage; careful reading of several of the great plays. MWF, 11.

156. Literary Criticism.

Mr. A

A study of the principles of literary criticism; reading of selected works of criticism from Aristotle to the present day; and practice in the writing of original critical essays. The course is designed to provide some understanding of the relations between thought, expression and between literature and society. Instructor's permission required for registration. Spring term. T, 1:15-3:05 F, 1:15.

159. The Seventeenth Century.

Messrs. Angell, Gleason
Jones, Strathm

A seminar consisting of lectures and reports on selected topics of seventeenth century thought studied from the points of view of history, philosophy, and literature. The topics may vary annually to suit the needs and interests of the students enrolled. Spring term. T, 7:30-9:30 p.m. (Omitted in 1942-43).

191b. The Great Victorians and Their Successors.

Mr. Mulhauser

cent literature in English considered as the outcome of nineteenth century backgrounds. The fall term is a seminar in major Victorian writers; the spring term, a survey of contemporary literature. Prerequisite: English 55, or an equivalent and permission of instructor. TThS, 9.

195b. Readings in English Literature.

The Departmental Staff

seminar consisting of lectures, readings, papers, and oral reports directed toward a synthesis on the student's part of his work in the field of literature and allied subjects. The content of the course varies annually according to the needs and interests of the students enrolled. Open to seniors majoring or taking honors in English. Arranged.

The opportunity for graduate work in English provided by the colleges of the Claremont group is quite extensive. The student who purposes to go on into graduate study is advised to plan his whole course from at least as early as his junior undergraduate year.

French

Romance Languages and Literatures.

Geography

(Under auspices of Claremont Colleges)

191b. Introduction to Geography.

Mr. Kuchler

comprehensive study of all elements that help to make up the surface of the earth. Systematic description and interpretation of such factors as climate, land forms, soils and minerals, and the various forms of life. The interrelation of all these and the effect of the physical landscape on the cultural landscape. Fundamentals of geographic thinking. The importance of location and the study of regional foundation of human activities. MWF, 10.

Geology

Geology 51a,b is an introductory survey course. It is designed to give a general appreciation of the features and processes of the earth's surface to the non-technical student and is a prerequisite for most of the more advanced work in the department. Other courses are designed for persons intending to specialize in geology or a related science.

A geology major should include courses 51a,b, 53, 105, 110, an approved summer field course, and two of the following courses: 107a-b, 151a-b, and 181, 182. Required in other departments: Mathematics 1a-b, 65a-b; Physics 51a-b, 52a-b; Chemistry 53a-b, and 54a-b or 55a,b; and a reading knowledge of German, Spanish or French (German preferred). Mathematics 7a,b, Engineering drawing, S61 (surveying), and 60 (descriptive geometry) are very desirable. In exceptional cases courses in biology may be substituted for those in physics and chemistry. Rarely the requirement of a summer field course is waived. Near the end of the senior year a short comprehensive written and oral examination must be passed. Special programs are arranged for Honors students.

- 51a, 51b. Introductory Geology. Mr. S. J. ...
 Dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Laboratory fee, \$3.00 per term. Class, WF, 8; laboratory, W or Th, 1:15-4:15.
53. Determinative Mineralogy. Mr. S. J. ...
 Prerequisite: High school chemistry or equivalent. Fall term. Laboratory periods. 2 units. Laboratory fee, \$4.00. Arrange with Mr. S. J. ...
105. Crystallography. Mr. W. O. ...
 Must be preceded or accompanied by Geology 53, unless recommended upon the recommendation of the Department of Chemistry or Physics. Fall term. 2 units. WF, 10.
110. Petrology. Mr. W. O. ...
 The study of rocks without the microscope. Prerequisite: Geology 51a, 53 and 105. Spring term. Two class and two laboratory periods. 4 units. Laboratory fee, \$4.00. WF, 10.
- 107a-107b. Invertebrate Paleontology. Mr. W. O. ...
 Prerequisite: Geology 51b; recommended preparation: Biology 101. Two class and one laboratory periods, fall term; one class and one laboratory periods, spring term. Laboratory fee, \$6.00 each year. Given alternate years. Arranged. (Omitted in 1942-43).

51b. Petrography. Mr. Woodford
fraction and double refraction; the optical indicatrix; study of
minerals and rocks with the petrographic microscope. Prerequi-
site: Geology 105. Two class and one laboratory periods, fall term;
one class and two laboratory periods, spring term. Laboratory fee,
\$5.00 fall term; \$8.00 spring term. Given alternate years.
Arranged.

82. Geological Investigation and Research. Mr. Woodford
units. Laboratory fee, \$4.00 each term. Arranged.

A summer course in Field Geology offered by Stanford Univer-
sity is open to Pomona students who have completed Geology 51b
and 110. 10 units of Junior credit are given for this course.

Graduate work in Geology with special reference to Petrography
offered under the auspices of Claremont Colleges.

German

Students who desire to major in German should have a good
foundation in English language and literature. Acquaintance with
another foreign language, and some background in history, are
desirable.

Elementary German. Mr. Baumann
The acquirement of a small working vocabulary. Constant ear-
training, and as much practice in speaking as time permits. Daily
exercises in reading and writing. The essentials of grammar.
Syntax. Comment on German life and literature. MWF, 9,
ThS, 9.

b. Advanced German. Mr. Baumann
More advanced German language study through intensive reading
of selected German works, with collateral reading in the field of
the student's individual interest,—literary, social, or scientific.
Continued practice in German conversation. Some attention to an
understanding of the cultural life of Germany, Austria and Switzer-
land. Prerequisite: German 1 or an equivalent. TThS, 10.

102b. Conversation and Composition. Miss Wagner
Intensive drill in written and oral expression; free composition;
translation; conversation on assigned topics or extempore, with
special stress on the acquisition of a correct pronunciation and
fluency. Prerequisite: German 53 or equivalent. MWF, 1:15.
(Admitted 1942-43).

109a, 109b. German Literature of the Nineteenth Century.

Mr. Bau

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: C 53 or equivalent. (Omitted in 1942-43).

113a, 113b. German Classics of the Eighteenth Century.

Mr. Bau

A study of the outstanding works and personalities of the eighteenth century with particular attention to the social and political life of the period. TThS, 8 and arranged.

158a, 158b. Modern German Literature.

Mr. Bau

The development of German Literature from 1880 to the present with reference to the political and social changes during the period. Arranged. (Omitted in 1942-43).

181a, 181b. Readings in Continental Literature of the 19th Century in Translation.

Mr. Bau

A study of outstanding works of Balzac, Flaubert, Tolstoy, Dostoevsky, Ibsen, Thomas Mann, and others. One evening a week: 7:30-9:30 p.m. Arranged. (Omitted in 1942-43).

Under the auspices of Claremont Colleges graduate work is offered in various phases of German Literature with special emphasis on the modern field.

Government

The prerequisite for all advanced courses is Government 2a, but in individual cases that prerequisite may be waived with the written consent of the instructor.

Every honors program must include 54a, four advanced courses and the reading courses (141, 142, 191, 192).

The department will gladly give advice regarding preparation for the foreign service or the civil service. Those who contemplate a career in administration should consult the suggested program that appears elsewhere in this bulletin.

INTRODUCTORY COURSES

2a, 2b. Modern Governments.

Mr.

Fall term: American Government, with emphasis upon national institutions. Spring term: European governments, with emphasis upon British and Russian institutions. TThS, 9.

54a-54b. The State.

Mr.

Fall term: An inquiry into the human and environmental factors underlying, supplementing, and limiting the operation of

political institutions considered in 54b. An attempt will be made to assess the rational and irrational elements in the obedience of citizens and the stability of states.

Spring term: A study of the major political institutions evolved by man in the course of governing himself and his fellows. Attention will be given to the contrasting solutions afforded by democracy and dictatorship. Prerequisites: 2a, 2b. MWF, 10.

ADVANCED COURSES

State and Local Government.

Mr. Lee

The structure and functions of American state, county, and city governments, with emphasis upon national-state and state-local relations. Attention will be given to problems of local self-government in terms of changing social and economic conditions. Fall term. MWF, 9.

Public Administration.

Mr. Lee

The processes of responsible administration in American government, with reference to the theory and practice of organization, financial and personnel management, and administrative law and education. This course is designed to meet the requirements of students intending to enter government service. Spring term. MWF, 9.

55b. Introduction to Law.

Mr. Burgess

The Fall term will be devoted largely to a study of jurisprudence; the Spring term to the development of American law and legal institutions with some analysis of the rights and liabilities arising from the more common legal relationships. Either term may be taken without the other. TThS, 9.

58b. International Relations.

Mr. Sait

In the Fall term the main subjects of discussion will be economic conditions and harmonies, the cause and effect of war, methods of adjusting disputes, international co-operation, the peace movement of the nineteenth and twentieth centuries. The Spring term will be devoted to a survey of international law—its nature, sources, content, TThS, 8.

Recent Political Thought.

Mr. Lee

A comparison of the liberal democratic and authoritarian traditions, with special reference to the development of American democratic institutions. Attention will also be given to theories concerning the limits of governmental action, and to modern problems of nationalism and internationalism. Prerequisites: one or more fundamental courses in government, history, economics, sociology, or philosophy. Spring term. MWF, 11.

152. Public Opinion and Propaganda. Mr.

The role of individual and group opinion in the modern world with particular consideration of the propaganda and other psychological techniques developed to influence this opinion. Contemporary problems will be emphasized. Prerequisites: one or more liberal arts courses in government, history, economics, sociology, or psychology. Fall term. MWF, 11.

153. Political Institutions. Mr.

A comparative survey of the agencies through which the government of the state is carried on: executive and legislature, mutual relations, the role of parties, the suffrage and system of election, legislative procedure, civil service and bureaucracy, and law courts. Fall term. TThS, 10.

154. Constitutional Law. Mr. Bu

An examination of the Constitution of the United States and the decisions of the Supreme Court upon questions arising therefrom. Spring term. MWF, 9.

156. Political Parties. Mr.

Their role in a democracy; their relation to the electorate, public opinion, and pressure groups; how they are organized and financed; how they nominate candidates and fight campaigns. While the attention will focus upon the American scene, phases of foreign politics will be noted, especially regarding the conduct of elections. Spring term. TThS, 10.

161. Contemporary Far Eastern Government and Politics. Mr.

For description see Oriental Affairs 161. (Omitted 1942-43).

READING COURSES IN HONORS

These courses consist of assigned reading and the preparation of essays. Normally they carry, in each case, three units; under exceptional circumstances and only in the senior year, six units; and in the summer reading, one to three units, according to the extent of the completed program. The essays are read before the whole group of candidates for honors, which meets every Thursday evening with members of the faculty in attendance. These members are Messrs. Burgess, Fahs, Gleason, W. T. Jones, Lee, and Sait.

141, 142. Political Thought from Plato to Bentham.

191, 192. Topics for each term to be approved by the department.

History

The Development of Western Civilization. The Staff
The evolution of civilization in Europe from antiquity to the
se of the French Revolution, and its spread throughout the
orld. Attention is paid to the political, religious, intellectual, and
nomic forces of change. The aim is to lay a foundation for
e understanding of contemporary problems. This course or its
ivalent is normally a prerequisite for advanced courses in his-
y. Three sections. MWF, 9, and TThS, 9.

5b. **History of the United States.** Mr. Pitman
e political, cultural and economic development of the United
ates from its beginnings as an outpost of European expansion
a position of independence and world influence. TThS, 8.

6b. **The Development of Oriental Civilization.** Mr. Fahs
r description see Oriental Affairs 56. (Omitted in 1942-43).

103b. **History of China.** Mr. Chen
r description see Oriental Affairs 103.

107b. **English History.** Mr. Pitman and Mr. Gleason
e development of the main features of civilization in the British
s. Emphasis is laid upon the evolution of religious, intellectual,
l economic forms as well as the growth of political institutions.
us the course is largely a study of the cultural heritage of
merica. Fall term, Great Britain to 1660, Mr. Pitman. Spring
n, Great Britain since 1660, Mr. Gleason. MWF, 11.

109b. **The Expansion of Europe, 1400-1825.** Mr. Kemble
mitted in 1942-43).

113b. **The History of Modern Europe.** Mr. Gleason
ope from the beginning of the French Revolution to the Peace
Versailles. Political, economic, social, and intellectual develop-
nts will be studied with reference both to their intrinsic sig-
nificance and to an understanding of present-day Europe. In the
term the two periods of war and revolution—1789-1815 and
4-1939 — are studied with particular attention to their dif-
nces and similarities. The intervening century of relative peace,
he great experiment in liberalism and democracy, is the subject
he spring term. Open to sophomores who satisfy the instructor
a regard to their preparation. TThS, 10.

History of American Foreign Policy. Mr. Lyon
e development of the foreign relations of the United States
n the birth of the republic to the present day. Special em-
sis will be placed upon the rise of the country as a world
er. Fall term. MWF, 8.

140. History of Cultural Relations Between China and the Occident. Mr.

For description see Oriental Affairs 140. (Omitted in 1942-43)

157. Representative Historical Personalities. Mr. C.

The purpose of the course is the study of a number of significant historic figures with relation to the societies in which they lived and the evaluation and comparison of their influences upon their own and upon subsequent times. Original materials will be used as far as possible and the work of the course will include discussions and essays. Four or five of the following will be considered: Pericles, Caesar Augustus, St. Bernard, St. Francis, Henry Richelieu, Colbert, Frederick the Great, Gladstone. Fall term. Th 1:15-3:45.

158. Topics in the History of Modern Europe. Mr. G.

In 1942-43 the topic will be the peace settlements of Vienna and Paris in 1814-15 and in 1919. History 113 or its equivalent is ordinarily a prerequisite. Spring term. T, 1:15-3:45.

160. History of Far Eastern Diplomacy. Mr.

For description see Oriental Affairs 160. (Omitted in 1942-43)

- 168a, 168b. American Civilization. Mr. P.

A study of the major trends in the economic, social and cultural history of the United States. Th, 3:15-5:45. (Omitted in 1942-43)

169. The British Empire Since 1763. Mr. P.

An examination of the major changes in Imperial policy and Colonial institutions with emphasis upon the effects of Imperialism on colonists and native races. Spring term. MWF, 11.

170. History of Western America and the North Pacific. Mr. K.

(Omitted 1942-43).

HONORS

A student admitted to honors in the Social Sciences with History as his major field (see page 68) will, in addition to the program of reading and conferences arranged with the member of the department who acts as his adviser, participate in a pro-seminar. This will be made up of the departmental faculty and students on honors, and will meet for the presentation of reports and discussion. Juniors will register for 141; seniors will register for 191.

- 141a, 141b. History and Historians. The Departmental

A consideration of the theory and interpretation of history.

through the reading of a selected group of great historical classics, and a study of the development of historiography. Arranged.

191b. Selected Topics for Historical Investigation.

The Departmental Staff

Arranged.

Mathematics

Students wishing to major in mathematics should enroll in Mathematics 1a,b. This latter course is normally prerequisite for courses 19 and above. Courses 67 and 110 offer a thorough treatment of Analytic Geometry. Any student interested in engineering should take some work in graphics, and surveying. Students of economics and business should take courses 57 and 58, for which there are no prerequisites. Mathematics 58 would also be useful to students majoring in psychology and education.

1b. Introduction to College Mathematics. Departmental Staff
The objective of this course is to prepare students for work in calculus the following year. The subject matter varies with the preparation of the student, but includes for all, college algebra, trigonometry, and an introduction to analytic geometry and calculus. Prerequisites to further work in the department, except math. 57 and 58. To be offered at two periods and in two sections in each period. TThS, 10. MWF, 10.

Mathematics of Finance.

Mr. Jaeger

Interest, annuities, amortization, depreciation, and an introduction to the mathematics of life insurance. No prerequisite. Fall term, MWF, 9.

Statistical Methods.

Mr. Jaeger

Graphs, averages, frequency distribution, probability, correlation, index numbers. No prerequisite. Laboratory fee \$1.00. Spring term, MW, 9, laboratory, F, 1:15-4:10.

Surveying.

Mr. Taylor

Use and adjustment of surveying instruments. Methods of making and mapping surveys for various purposes. Given during summer session at the Bluff Lake Camp of Pomona College. Prerequisite: plane trigonometry. 6 units. (Not offered in 1942).

15b. Differential and Integral Calculus.

Mr. Taylor and Mr. Hamilton

This is a standard course in the theory and applications of the calculus. MWF, 9; TThS, 9.

67. Plane Analytic Geometry Mr. Tay
A study of the straight line, conic sections, higher plane curves and their properties. Prerequisite: Math. 1. Fall term. MWF, 11.
110. Solid Analytic Geometry Mr. T
Planes, curved surfaces, and space curves. Also a treatment of spherical Trigonometry. Prerequisite: Math. 67. Spring term. MWF, 11.
- 119a, 119b. Higher Algebra and Theory of Equations. Mr. J
Theory and solution of higher algebraic equations and other advanced topics in algebra. TThS, 8.
- 151a, 151b. Differential Equations. Mr. J
A general course in the theory, solution, and application of differential equations. MWF, 8.
- 152a, 152b. Advanced Calculus. Mr. Har
Partial derivatives, multiple integrals, Taylor and Fourier series, line and surface integrals, improper integrals, elements of complex variable. MWF, 9.
191. Selected Topics in Higher Mathematics. Departmental
From time to time work in complex variable, projective geometry, differential geometry, number theory and mathematical physics will be given as the demand requires. 1 to 3 units. Arranged.
- Graduate work in Number Theory, Differential Geometry, and Complex Variable is offered under the auspices of Claremont Colleges.

ENGINEERING DRAWING

- 7a, 7b. Engineering Drawing. Mr. T
A beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. Laboratory fee, \$2.00 per unit. 1 or 2 units. TWTh or F, 1:15-4:10.
59. Engineering Drawing. Mr. T
Continuation of 7b. Each term. 1 or 2 units. Laboratory fee, \$2.00 per unit. May be repeated for credit. TWTh or F, 1:15-4:10.
60. Engineering Drawing. Mr. T
Descriptive geometry. Prerequisite Mathematics 7 or its equivalent. Each term. 1 or 2 units. Laboratory fee, \$2.00 per unit. TWTh or F, 1:15-4:10.

112b. Engineering Drawing. Mr. Taylor
 ements of engineering design. 2 units. Laboratory fee, \$2.00
 r unit. TWTh or F. 1:15-4:10.

Military Science

The College maintains an Infantry Unit, Senior Division, of the
 ve Officers' Training Corps, established under the National De-
 Act for the general purpose of qualifying students as leaders in
 of national emergency. Students who successfully complete the
 ear course will be tendered commissions as second lieutenants in
 officers' Reserve Corps.

The courses include both classroom and outdoor instruction. Theo-
 instruction covers the basic technical knowledge required of a
 ant of the United States Army. Drill periods provide oppor-
 for the practical application of the theoretical instruction and
 e improvement of the posture and physical coordination of the
 it. Special emphasis is placed on the development of the qualities
 dership. The poise acquired by the student and his practical ex-
 ce in the art of command may be applied in many walks of life.

The instructors in the department are officers of the Regular Army
 ed for duty at the College by the War Department. Equipment
 led includes rifles, automatic rifles, machine guns, a one-pounder
 Stokes mortar, and instruments for a 28-piece band. All stu-
 are given instruction in marksmanship. Ammunition for target
 e is furnished without charge. Competitions are held and a
 eam selected for intercollegiate matches.

Students who have received training in a Junior R.O.T.C. unit
 e given advanced standing on the basis of two years Junior
 .C. for one year Senior R.O.T.C. up to the limit of three terms
 unit training. Application for advanced standing must be made
 registering and must be accompanied by a recommendation from
 ofessor of Military Science and Tactics at the school which the
 t attended.

The four year course is divided into the basic course, consisting of
 st four terms, and the advanced course consisting of the work
 next four terms. Enrollment in either course is voluntary but,
 a student has elected either the basic course or the advanced
 completion of the course elected becomes a prerequisite for
 tion.

The basic course is open to all physically fit male students who are
 an citizens. Enrollment does not involve any obligations for
 y service nor does it interfere with the participation in sports
 student. Uniforms for the basic course are issued without charge
 student.

Enrollment in the advanced course is limited to selected students who have completed the basic course or its equivalent and who have entered into an agreement to attend one training camp. In consideration of this agreement students receive, from the government, cash allowance equivalent to a scholarship of about \$125.00 per year. All necessary expenses in connection with the training camp, including transportation to and from camp, are provided by the government.

1a-1b. First Year Basic Course.

Colonel

National defense; citizenship; military courtesy and discipline; marksmanship; map reading; military policy of the United States; military organization; military hygiene and first aid; close order drill and ceremonies. $1\frac{1}{2}$ units. 2 sections. Class 8 or 9. Drill, M, 1:15-3:05.

Since 53a, 105a, and 157a will be offered in the summer of 1953, 53b, 105b, and 157b will be given in the fall term and 53a, 105a, and 157a in the spring term. Men not attending the summer session will register for the "b" part of the course before the "a" part.

53a-53b. Second Year Basic Course.

Captain

Musketry; scouting and patrolling; infantry weapons; automatic rifle; combat principles of the rifle squad; drill and command. $1\frac{1}{2}$ units. 2 sections. Class T, 3:15 or F, 1:15; Drill, M, 1:15-3:05.

105a-105b. First Year Advanced Course.

Captain

Leadership; mortars; machine guns; field fortification; automatic pistol; combat orders; marches and security; combat principles of rifle and weapons platoon; interpretation of aerial photographs; drill and command. $3\frac{1}{2}$ units. 2 sections. Class MWF, 9 or 10; Drill, M, 1:15-3:05.

157a-157b. Second Year Advanced Course.

Colonel

Leadership; military history of the United States; military tactics; tanks and mechanized warfare; antiaircraft defense; signal communications; tactical problems in the command of rifle and machine gun companies and the mortar platoon; drill and command as platoon, company and battalion commanders. $3\frac{1}{2}$ units. 2 sections. Class, TThS, 8 or 9. Drill M, 1:15-3:05.

Music

Courses required of all music majors are:

- Music 1 and 55 (Harmony)
- Music 104 (History)
- Music 107 (Counterpoint)
- Music 159 (Form and Analysis)

Majors in applied music are required to take two lessons per week of their major subject unless excused by the music faculty, appear frequently in student recitals, and present a satisfactory public recital during their senior year.

Additional required courses for majors in theoretical music are:

- Music 113 (Orchestration)
- Music 158 (Free Composition)

Majors in theoretical music must also present a satisfactory public recital of their own compositions during their senior year.

THEORY AND HISTORY

a. Elementary Harmony. Mr. Allen and Mr. Snider
Thorough grounding in the fundamentals of music through the mediums of hearing, singing, writing, and the keyboard. Study of major and minor modes; all diatonic triads, dominant seventh and super-tonic seventh chords and all non-chordal tones. Harmonic analysis of melodies. Four-part writing based on the technics of 17th and 18th centuries. Prerequisite: ability to play a simple tune at the keyboard. An arranged laboratory hour each week, in addition to the regular class periods, is required of each student. MWF, 9 or 1:15 and A.

b. Introduction to Music. Mr. Dayton
Practical course in listening to music. Through a study of the various forms the student is acquainted with a large repertoire of vocal, symphonic, operatic, and chamber music, and with the men who composed it. 2 units. MW, 2:15 or 3:15.

c. Advanced Harmony. Mr. Allen
Study of part-writing technic as found in the Bach Chorales. Chromatic harmony and modulation. Instrumental style of the Classical School. Prerequisite: Music 1. An arranged laboratory hour each week, in addition to the regular class periods, is required of each student. MWF, 11 and A.

104b. History of Music. Mr. Fiske
General survey of the history of occidental music from the beginning of the Christian era. Prerequisite: Music 1. TThS, 9.

107a-107b. Counterpoint.

Mr. J.

Preliminary work in free style for two and three voices is followed by the Inventions and Classical Suite forms. Chorale Preludes and Variations are undertaken during the spring term. When permitted, an introduction to the Palestrina technic is offered. TThS, 10.

113a-113b. Orchestration and Instrumentation.

Mr. Blane

A study of the instruments of the modern orchestra; their historical and technical limitations and use in various groups; study of scores and the technic of scoring. Prerequisite: Music 55. MWF, 8.

158a-158b. Free Composition.

Mr. J.

Advanced original work in either the polyphonic or homophonic forms, according to the need and preparation of the student. Prerequisite: Music 107. A.

159. Form and Analysis.

Mr. Blane

Designed to lead to a clear understanding of the principles upon which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music 55. 2 units. Spring term. TTh, 8.

APPLIED MUSIC

Class Instruction (No special fees).

(Enrollment for credit is limited to two courses at one time.)

57a, 57b. Choral Singing.

Mr. Ly

The study and production of choral music, especial attention given to diction, phrasing, content of the works dealt with. An understanding of musicianship as applied to choral singing. Class will be organized as the College Choir and as such will rehearse and practice on Mondays, Wednesdays and Fridays from 11:12:20, and on Tuesdays from 11:30 to 12:20. 1 unit. The course may be repeated for credit.

58a, 58b. Orchestra.

Mr. J.

A study of major works of orchestral repertoire and application of the principles of orchestral routine through public performance. Two periods of attendance weekly; one unit credit. Additional sectional rehearsals at option of director. The course may be repeated for credit. T and F, 4:15.

59a, 59b. Band.

Mr. Blane

The study and production of the best in concert band repertoire. Two periods of attendance weekly (also one hour of drill or practice on Sunday at 11:00 during football season); one unit credit. The course may be repeated for credit. M and W, 4:15.

INDIVIDUAL INSTRUCTION

Credit for individual work in Applied Music is open to all students in the college, subject to the following provisions:

No credit is given for elementary or beginning music study.

Credit is given for individual instruction on the following basis:

Two units per term for two private lessons weekly, one unit per term for one private lesson weekly. Placement tests are required before any credit is given and before students may advance from one rank to another. Details of these tests may be obtained from the office of the music department.

A total of not more than 16 units of individual instruction in applied music may be counted toward the Bachelor of Arts degree, 8 of which must be numbered above 100.

Music 1 (Harmony) must accompany or precede all credit-study. Non-music majors may obtain credit for one lesson per week per term for additional study without further Harmony courses. Music 5 (2nd year Harmony) must accompany or precede more than one year of credit-study for those taking two lessons a week.

Applied Music. (Freshman level)

Applied Music. (Sophomore level)

Applied Music. (Junior level)

Applied Music. (Senior level)

Voice Mr. Lyman and Miss Stuart

Organ Mr. Blanchard

Piano Mr. Olive, Mr. Dayton, Mr. Snider

Violin and Viola Mr. Fiske

Violoncello Mr. Simonsen

Brass Instruments Mr. Pacheco

Wooded Instruments Mr. Zorn

Harp Mr. Kastner

Lessons on other instruments may be arranged for through the office of the Music Department.

FEES FOR INDIVIDUAL INSTRUCTION

	Per Term
For those paying regular tuition:	
Half hour private lesson per week.....	\$45.00
Half-hour in excess of one per week.....	40.00
For those carrying less than ten hours of college work, exclusive of work in applied music:	
Half-hour private lesson per week.....	60.00
Half-hour in excess of one.....	40.00

PRACTICE FEES

Piano, one-half hour daily, \$3.50; one-hour daily	_____
Bridges Hall Organ (four manuals), one hour weekly	_____
Two-manual Organ, one hour weekly	_____
Bridges Auditorium Organ, Claremont Colleges (advanced students only) one hour weekly	_____
Room without piano, one hour daily	_____

GROUP INSTRUCTION

(Special fees charged)

Class lessons for beginning students are offered at \$25 per registration of four persons being set as the class minimum. For this work no collegiate credit is given. Each class meets a week for an hour.

Graduate work in Theoretical and Applied music and in School Music Methods is offered under the auspices of Claremont Colleges. Students interested in obtaining the special teaching credential in music may complete the requirements for the credential by taking graduate work in Claremont Colleges.

Oriental Affairs

The Department of Oriental Affairs seeks to familiarize the student with the peoples and cultures of East Asia in both their historical and contemporary aspects, and to supplement his training in a specialized field by drawing on Oriental data and sources of information.

56a, 56b. The Development of Oriental Civilization. Mr. h
The cultural history of eastern Asia with emphasis on those factors of significance for an understanding of contemporary life. While most attention will be given to the main stream of cultural development in China and Japan, the contributions to that stream from central Asia and India and the more recent inter-relations with the West will also be considered. Fall term to 1650. Spring term 1650 to present. No prerequisite. MWF, 10. (Omitted 1942-43).

101a-101b. Introduction to the Chinese Language. Mr. h
A reading course for beginners in the Chinese language, with major emphasis on the analysis of written characters, and on grammar and syntax. Open to sophomores by permission. Arranged

103a, 103b. History of China. Mr. h
General survey of Chinese History, with emphasis on such topics

the rise of philosophical schools, important movements in literature and art, and the evolution of social and political institutions. An effort will be made to interpret the complexities of the problem of present day China in the light of her ancient cultural heritage. MWF, 10.

Far Eastern Literature in Translation. Mr. Chen
study of outstanding Chinese literary works in English translation with the aim of a deeper appreciation of Oriental life and thought. Fall term. MWF, 9. (Omitted in 1942-43).

Oriental Philosophy. Mr. Iredell
for description see Philosophy 126.

History of Cultural Relations between China and the Occident. Mr. Chen
rapid survey of the religious, intellectual, literary and artistic relations and interchanges between China and the Western World from Greco-Roman times to the middle of the nineteenth century. Spring term. MWF, 10. (Omitted in 1942-43).

History of Far Eastern Diplomacy. Mr. Fahs
the history of the diplomatic relations of Eastern Asia primarily since 1800. Fall term. MWF, 8. (Omitted in 1942-43).

Contemporary Far Eastern Government and Politics. Mr. Fahs
the processes of political control in China and Japan under conditions different from those in the West and the significance of the resulting similarities and contrasts for political thought and for an understanding of contemporary international problems. Spring term. MWF, 8. (Omitted in 1942-43).

Philosophy

Courses 55 and 57 are general introductions to philosophy. They are recommended for students who wish a general acquaintance with the subject.

Requirements for concentration in philosophy:
12 hours of work in philosophy, including Philosophy 55 or 57, and 12 hours of work in upper division courses; normally a reading knowledge of French or German, to be completed not later than the middle of the senior year. An elementary knowledge of psychology is also recommended.

Students intending to concentrate in the department should confer with members of the department to work out a satisfactory program.

51. Introduction to Logic.

Mr.

A study of the elements of deductive and inductive reasoning with special emphasis upon the nature and use of scientific hypothesis, probability, and deductive and inductive fallacies. Fall TThS, 9.

53a, 53b. Philosophy of Art.

Mr. W. T.

An investigation of the nature of a work of art and of its significance and limitations of the aesthetic experience. In the study of the term a number of classic theories of aesthetics are examined, including those of Aristotle and Croce. Some practical work in philosophy or in the history or practice of some of the arts is recommended but not required. MWF, 11.

55a, 55b. History of Philosophy.

Mr. W. T.

An introduction to philosophy through the study at first of the works of six or seven significant and representative philosophers, supplemented by an attempt to trace the main lines of philosophical development, especially in ancient Greek thought and in the period since the Renaissance. MWF, 10.

57a, 57b. Problems of Philosophy.

Mr.

An introductory consideration of the meaning and methods of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology, and a review of some of the main philosophic estimates of the world. TThS, 10.

131. Types of Ethical Theory.

Mr. W. T.

A critical examination of some of the chief types of ethical theories (e.g. Aristotle, Kant and Bergson) and a consideration of various solutions to the main problems of moral theory. Some previous work in philosophy is recommended, though not required. Given alternate years. Spring term. MWF, 9.

126. Oriental Philosophy.

Mr.

This course is designed to provide the student with a background of oriental thought as a basis for further study of oriental life and culture. An attempt will be made to gain an appreciation of the thought life of the Orient through a study of some of the more important thinkers and schools of oriental philosophy and through a comparison of oriental and occidental philosophical views and cultural ideals. Spring term. MWF, 11.

151. The Nineteenth Century.

Mr. W. T.

A study of the main currents of 19th century thought and of its reflection in the literature, the history and the social movements.

the period. A number of such currents will be examined, including the impact of science on religion, the conflict between individualism and collectivism, and the contrast between romanticism and naturalism. Fall term. MWF, 9.

Some Representative Philosophies of Life. Mr. W. T. Jones
An evaluation of the contribution made by a number of representative thinkers to an understanding of the western mind. A careful study will be made of the work of one or two such men from each of several cultural periods, including Plato and Sophocles, Dante and St. Augustine, and, among contemporaries, Whitehead and T. S. Eliot. Spring term. MWF, 11. (Omitted in 1942-43).

The Philosophy of Science. Mr. Iredell
This course is designed especially for students interested in the problems of the physical and biological sciences. A critical examination will be made of the basic concepts and methods underlying contemporary scientific thought. Consideration will be given to such questions as the nature of scientific knowledge, conceptions of nature, natural law, the relation of the scientific interest to other interests, and the contributions of the special sciences to a view of the universe as a whole. Fall term. MWF, 10. (Omitted in 1942-43).

Contemporary Philosophy. Mr. Iredell
A study of contemporary philosophic thought through some of the main modern thinkers with special reference to the dominant ideas of the civilization of today. Prerequisite: Philosophy 55 or 57, or such previous work as will provide an equivalent grasp of the basic problems of philosophy. Spring term. TThS, 9.

Contemporary Philosophy of Education. Mr. Iredell
A consideration of educational philosophies at work in the world today, together with a critical analysis of the chief philosophical problems involved. The course will include a brief survey of some of the current attempts to reform education in this country and abroad, and will consider the contributions of some of the outstanding contemporary philosophical thinkers to the problems of education. Fall term. MWF, 8.

A considerable range of graduate offerings in Philosophy is available under the auspices of Claremont Colleges.

Physical Education

The program of Physical Education in Pomona College is upon the belief that a liberal education should include knowledge of the structure and functions of the human mechanism; understanding of the hygienic practices which promote physical, mental, and social health; reasonable skill in developmental and recreational activities of a physical type which will promote the individual's well-being during college years, and in later life; and a disposition to make such knowledge and skill essential elements in efficient living.

Increasing interest in health, physical education and recreation in the United States has resulted in a growing demand for trained and competent leaders in these fields. Pomona students may qualify for such professional work by pursuing a major in Physical Education, followed by a year of graduate work in Claremont Colleges.

MEN AND WOMEN

A student is required to take one unit of Physical Education Activities per term during his Freshman and Sophomore years and one-half unit per term during his Junior and Senior years.

5. Principles of Healthful Living. Mr. Nixon and Miss Kelley. An introduction to general hygiene dealing with the meaning and significance of physical, mental, and social health as related to the individual and to society. Important phases of our National Health problem. Constructive methods of promoting the health of the individual. Defensive hygiene. Special health problems of college students and young people generally. Fall term or spring term. 2 units. Men, Mr. Nixon; women, Miss Kelley. TTh, 10.
123. Nature and Function of Play. Miss Kelley. The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out the best habits, attitudes and judgments. Fall term. 2 units. TTh, 8.
124. Community Recreation. Mr. Nixon. A study of the organization of the school and the public recreation ground, the types of leadership, and types of activities best suited for various age periods. Discussion of the technique of organizing the recreation center. Organization of leadership. Limited to Juniors and Seniors. Spring term. 2 units. TTh, 8.
126. Community Health. Miss Kelley. A brief survey of the fields of community and public health dealing with the health of people as a group, and with the social

governmental activities which are concerned with environmental control and health promotion. Hygiene and the correlation of the total health teaching program. Spring term. 2 units. TTh, 9.

Kinesiology. Miss Cawthorne
an analysis of joint and muscular mechanism, and their relation to problems of bodily development and efficiency. Prerequisite: anatomy. Fall term. MWF, 8.

Physical Deviations. Miss Cawthorne
study of the causes, prevention, and correction of physical defects. Laboratory work includes methods of examination, prescription of exercises. Prerequisite: 129. Spring term. MW, 8; and laboratory arranged.

Principles of Physical Education. Mr. Nixon
limited to Seniors preparing to teach Physical Education. Spring term. MWF, 11.

MEN

Students engage in programs of physical education activities selected according to individual needs as determined by medical and physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Among the minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense, proficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under supervision of the Department: Archery, badminton, baseball, basketball, boxing, corrective exercises, cross country running, football, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student obtains credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a certificate from the College Physician indicating that the individual is physically fit for such participation.

Physical Education Activities. The Staff
required, Freshman year. 1/2 unit. Arranged.

2a-2b. Gymnastic Exercises.

Mr. S

Required of Freshmen not taking military science. $\frac{1}{2}$ unit.
2:15; Th, 4:15.

53a-53b. Physical Education Activities.

The

Required, Sophomore year $\frac{1}{2}$ unit. Arranged.

54a-54b. Physical Education Activities.

The

Required of Sophomores not taking military. Sophomore
 $\frac{1}{2}$ unit. Arranged.

105a-105b. Physical Education Activities.

The

Required, Junior year. $\frac{1}{2}$ unit. Arranged.

107a-107b. Physical Education Activities.

The

Required, Senior year. $\frac{1}{2}$ unit. Arranged.

191a-191b. Technique of Teaching Physical Education.

Mr. Heath, Mr. Strehle and Mr. M

This course is devoted mainly to methods in teaching and
vising athletics. Open to Seniors only. 2 units. Arranged.

WOMEN¹

A medical and physical examination is given all entering stu
with subsequent posture tests. Physical activities are allow
prescribed as the result of these examinations. Participati
11a-11b is required for the Freshman year. Students may
freedom of election in other activities in so far as medical and
cal examinations warrant, but must include during the Fres
and Sophomore years one individual sport, one team or group
and one term of either tap, folk, or natural dancing.

ACTIVITY

Six units of Physical Education Activities are required for g
tion. One unit is credited for 11, Fundamentals, a special c
organized in such a fashion as to include the basic fundam
of physical activity. The remaining 5 units may be earn
participation in any of the following activities.

Individual Sports	Team Sports	Dancing	Gymnastic
Archery	Basketball	Rhythmics	Danish
Badminton	Baseball	Creative	Individ
Golf	Hockey	Tap	
Riding	Speedball	Folk	
Riflery	Volleyball		
Swimming			
Tennis			

¹Students interested in camp leadership are referred to the announce
on page 62.

Course in Recreational Games including:

Croquet	Shuffleboard
Horseshoes	Tenniquoits
Paddle Tennis	Tether Ball
Ping Pong	

11b. Fundamentals. The Staff
 Required, Freshman year. $\frac{1}{2}$ unit. Arranged.

12b. Sports and Dancing. The Staff
 Required, Freshman year. $\frac{1}{2}$ unit. Arranged.

13b. Fundamentals, Sports or Dancing. The Staff
 Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.

14b. Fundamentals, Sports or Dancing. The Staff
 Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.

115b. Fundamentals, Sports or Dancing. The Staff
 Required, Junior year. $\frac{1}{2}$ unit. Arranged.

117b. Fundamentals, Sports or Dancing. The Staff
 Required, Senior year. $\frac{1}{2}$ unit. Arranged.

THEORY

119b. Methods in Coaching and Supervising Sports. Miss Bristol
 1 unit. Fall and spring terms. Arranged.

Physics

Major in physics will plan to complete four years of mathematics, establish a solid foundation in chemistry and descriptive geometry and acquire a reading knowledge of French and German.

Introduction to Physical Science.

Mr. Tileston and Mr. Haupt
 A non-mathematical course intended for those who wish to obtain knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the discrete structure of electricity and matter. Fee, \$5.00 per term. MWF, 10.

12b. General Physics. Mr. Tileston and Mr. Haupt
 A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of

physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. MWF, 8.

52a-52b. Physical Measurements. Mr. Tileston and Mr. H. Quantitative laboratory work in the subjects indicated in 51. Must accompany 51. 1 unit. Laboratory fee, \$3.00. W 1:15-4:15.

109. Slide Rule and Precision of Measurements. Mr. H. A study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics 51. Fall term. Fee \$3.00. MWF, 9.

110. Engineering Thermodynamics. Mr. H. A course dealing with the principles of thermodynamics and heat transfer, presented from the engineering viewpoint. The first and second laws of thermodynamics will be emphasized with applications to the properties of liquids, vapors and gases. Prerequisite: Calculus and Physics 51, 52. Spring term. MWF, 9.

111a-111b. Electricity and Magnetism. Mr. Tileston. A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics 51, 52. TThS, 8.

113a-113b. Mechanics. Mr. H. Kinematics and dynamics of motion. Study of forces and their relation to motion. Concepts of work, power, momentum and impulse. Centers of mass, moments of inertia, products of inertia. Statics and the equilibrium of particles, rigid bodies and frames of structures with special emphasis on engineering applications. Prerequisite: Calculus. MWF, 11.

151a-151b. Electrical Measurements. Mr. Tileston. Laboratory in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacity. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics 111 preceding or accompanying this course. 1 unit. Laboratory fee, \$4.00. M, 1:15-4:15.

153a-153b. Optics. Mr. H. The fundamental laws of geometrical and physical optics, the theory of light, interference, diffraction, polarization, electric and

etic theory of light, reflection and refraction, dispersion, magneto-optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics 51, 52 and Calculus. TThS, 10.

154b. Optical Measurements. Mr. Haupt
quantitative verification of the laws of geometrical and physical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to the work in spectroscopy. Laboratory to accompany 153. 1 unit. Laboratory fee, \$4.00. F, 1:15-4:15.

191b. Mathematical Physics.
atomic physics and mathematical physics presented by the departments of mathematics and physics. Prerequisite: Calculus and major work in a physical science. 2 units. Arranged.

195b. Research. Mr. Tileston and Mr. Haupt
the following problem is in progress in the department:
properties of high energy ions.
majors in the department who are properly qualified will be accepted as research associates. 1 to 3 units. Laboratory fee, \$2.00 per unit. Arranged.

Claremont Colleges Graduate School announces that graduate courses in physics at the California Institute of Technology in Pasadena are available (with the consent of the instructor) to properly qualified students in the Claremont Colleges Graduate School, upon commendation of the student's adviser.

Psychology

The departmental requirement for a "major" in psychology consists of 24 semester hours, which must include courses 54a, 54b. The student is also expected to have some knowledge of basic physiology and the elements of statistical method. The average grade in courses must be not lower than B.
54a,b, 53a,b or 52 is prerequisite to all further courses in the department. Courses numbered 100 to 149 may be taken concurrently with 51b or 53b.

51b. Introduction to Psychology. Mr. Ellis and Mr. Cass
fundamental facts and principles of consciousness and behavior. The relation of the nervous system to mental processes and action. Practical applications in various fields. MWF, 10, Mr. Ellis; 11, Mr. Cass.

Elements of Psychology. Mr. Ewer
similar to 51a, 51b. Spring term. 4 units. MWF, 11 and F, 1:15.

- 53a, 53b. Introduction to Psychology. Mr. Ellis and Mr. J. Sanders.
Similar to 51a, 51b except that there are two lectures and one hour laboratory period. Notes are written up outside of laboratory time. Laboratory fee, \$1.50 each term. Two lecture sections, TTh, 10, Mr. Ellis; TTh, 9, Mr. Cass. Laboratory periods, MWTh, 1:15-3:05.
- 54a, 54b. Laboratory Psychology. Mr. Ellis and Mr. J. Sanders.
The laboratory work in 53a, 53b above may be taken by those who have taken or are taking 51a, 51b or the equivalent. Required for psychology majors. 1 unit. Same periods and fee as for 53a, 53b.
103. Individual Differences. Mr. J. Sanders.
A study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex and racial differences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields are considered briefly. Fall term. TThS, 9.
105. Problems of Psychical Research. Mr. J. Sanders.
The mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include hyperesthesia, automatism, illusions and hallucinations, hypnotism, contemporary occultism and spiritualism. Fall term. MWF, 11.
107. Educational Psychology. Mr. Ellis and Mr. J. Sanders.
Practical applications of psychology to education. The nature of the learner; intelligence and motivation; principal features of the learning process. Fall term. MWF, 9, Mr. Ellis. Spring term, TTh, 10, Mr. Sanders.
108. Child Psychology. Mr. J. Sanders.
An intensive survey of physical and mental growth and development. Particular attention will be given to methods of child psychology and to the hygiene of growth. Spring term. MWF, 9.
118. Experimental Psychology. Mr. J. Sanders.
Lectures and discussions of the principles of scientific methods in psychological investigations. Leading experiments in the history of psychology. Fall term. TThS, 8.
132. Personality. Mr. J. Sanders.
Physical basis; types, traits, and methods of measurement; development of social attitudes and character. Fall term. TThS, 10.
154. Social Psychology. Mr. J. Sanders.
Mental processes underlying social order and progress; collective forms of behavior. Spring term. TThS, 10.

Mental Tests.

Mr. Cass

study of the principles and methods of mental testing with special emphasis upon the method of giving the Stanford Revision of the Mental Tests. Spring term. TThS, 8.

Advanced Psychology.

Mr. Ewer

Reading course. Permission of instructor required for registration. This course consists of assigned reading and the preparation and oral presentation of essays. The subjects included depend in part upon the interest of the student. Fall term. Arranged.

Advanced Psychology.

Mr. Cass

Reading and research. Spring term. Arranged.

Graduate work in various aspects and applications of psychology is offered under the auspices of Claremont Colleges.

Public Address

Courses offered in the department of Public Address are intended primarily to meet the needs of students who do not plan to enter any of speech professionally. Throughout all the courses emphasis is more centered on training that has proved its value as preparation for meeting such speech situations as anyone is likely to encounter. Students who are looking forward to careers that require special discipline in speech will, however, find in the work here offered adequate preparation for advanced study.

52b. Fundamentals of Public Address.

Mr. Scott

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment to specific audiences. 2 units. MW, 9.

53b. Principles of Interpretative Reading.

Mr. Scott

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary pieces. 2 units. TTh, 10.

55b. Argumentation and Debate.

Mr. Scott

Study of the principles of argumentation and practical application of these principles in class debates. Debate subjects for the year analyzed and debated. 2 units. MW, 10.

531b. Advanced Public Address.

Mr. Scott

Training in the construction and delivery of formal addresses. Prerequisite: Public Address 52 or equivalent. 2 units. TTh, 9.

134a, 134b. Reading of Dramatic Literature.

Mr.

Intensive study of a limited number of standard plays, with emphasis on dramatic values in character and plot. Interpretation of these plays in class. Recital programs before the class.

Prerequisite: Public Address 53 or equivalent. 2 units. MW

Religion

The department of Religion has designed its offerings especially for the general student, seeking understanding of religion as a social phenomenon in history and in the contemporary scene, and orientation in the personal philosophy of life. Concentration in the department is available, however, either in the field of Philosophy of Religion, or in the field of religious history. If the former is selected, certain courses in Philosophy may be offered toward the required work, with the permission of the instructor. In the event that the problem is historical, the student is advised to take History 1a-1b as part of the preparatory work.

5. Great Personalities in Religious History.

Mr. M

A biographical study of significant personalities in religious culture with special emphasis upon the religious heritage of Egypt, Hebrew, Zoroastrian, and Greek influence, underlying the development of the Christian civilization. The course will conclude with the life of Jesus and the rise of early Christianity. Fall term. 2 units. TTh, 10

6. Great Personalities in Christian History.

Mr. M

A biographical study of men and movements in western Christianity from the first century to modern times. Following a preliminary survey of the making of the New Testament, an outline of the Christian Church, the spread of Christianity throughout the Mediterranean world, the persecutions of the Christians under Rome, and its final triumph under Constantine, the story of Christianity in the western world is related. Attention is given to the lives of artists, musicians, scientists, philosophers, poets, and men of letters as well as churchmen and theologians, who contributed to the development of Christian culture. Spring term. 2 units. TTh, 10.

51a, 51b. The Rise of Religion in America.

Mr. M

A study of the religious personalities and social forces that shaped the religious culture of America. Attention will be given to pioneering American religious leaders and the accompanying story of the rise of denominations; concluding with a consideration of the churches and the social scene, and the changing outlook of the modern church. While not dependent upon Religion 5 as prerequisites, this course is intended as a continuation of the series, relating the story of religion in historical civilizations. M

11. (Omitted in 1942-43)

The English Bible.

Mr. Nicholl

course designed for the general student, seeking an understanding of the literature of the Bible, and some appreciation of its wider human values in ancient and modern times. After a brief inquiry into the story of how the Bible grew, study is made of the great sections that have influenced mankind and which have shaped our own literary and religious heritage. Fall term. 2 units. WF, 8.

Philosophy of Religion.

Mr. Meland

course for the general student, aiming to clarify the philosophic approach to religious thinking. Following an inquiry into the modern man's dilemma in religious thought, in which the impact of the sciences and modern culture upon religious belief is considered, current interpretations of religion are evaluated. Such problems as the nature of religion, the finding of religious truth, the existence of God, and the problem of evil, are explored. Fall term. 2 or 3 units. TTh, 9, with third hour to be arranged.

Applied Psychology of Religion.

Mr. Meland

course designed to enable the student to work toward a practical philosophy of living in terms consonant with the insights of modern psychology and mental hygiene and with the world-view of modern culture. The bearing of such matters as "the fitness of environment," the relation between physical wellbeing and the health of emotions, social maturation, and other aspects of the growing-up process, as well as the life of the mind in its reflective, imaginative, and appreciative outreach upon the fulfillment of life is considered. Spring term. 2 or 3 units. TTh, 9 with a third hour to be arranged.

103b. Religions of the Far East.

Mr. Meland

study of the living religions of the orient, including Hinduism, Buddhism, Confucianism, Taoism, and Shinto. The religion of Islam is also examined. Following a study of the traditions and customs of these religious cultures, attention is given to the present situation in world religions. MWF, 10.

151b. American Philosophies of Religion.

Mr. Meland

study of contemporary types of religious thought in America. Modern American thinkers, whose philosophies are examined, include: James, Royce, Santayana, Hocking, Whitehead, Ames, and Emerson. Prerequisite: Religion 101 or 102, or such previous work in philosophy as will provide acquaintance with the basic problems of philosophy of religion. Arranged.

Romance Languages and Literatures

A student planning to concentrate in a Romance language if possible, have begun his study of that language before college. Preparatory work in some other foreign language a distinct advantage. Concentration in a Romance Language Literature is designed to provide: first, a broad general knowledge of the language, literature and civilization of the student's interest; and second, a considerable knowledge, represented less than two years of college work, in at least one other language of the Romance group.

Eighteen to twenty-four hours of work in courses numbered 100 are required, in which at least a B average must be maintained. For a student desirous of doing more specialized work than is possible under the regularly scheduled offerings, the Honors program presents additional opportunity. At the end of the senior year a comprehensive examination is required.

French

The student whose major interest is outside the Romance Languages should note that many departments either require or recommend reading knowledge of French of their major students.

3a-3b. Elementary and Intermediate.

Miss M.

Essentials of grammar; drill in pronunciation, speaking and writing. Introductory readings from easy modern texts, followed by extensive readings of works of modern French writers chosen to represent as many literary forms as possible; outside reading assignments adapted to the needs and interest of the individual student. This course, meeting five times a week, is designed to enable the student to cover in the fall and spring terms approximately the work covered in a four-term, three-unit course. Completion of this course admits to the advanced courses in the language and literature. 5 units. MWF, 11, TTh, 1:15.

51a-51b. Intermediate Grammar Review and Modern Reading.

Mr. C.

A course designed for those students who have completed two years of high school French, or a three-unit year course in College French. Review of grammar with the translation of moderately difficult English into French; conversation. Extensive reading of modern French texts chosen to represent as many literary forms as possible. A part of this reading is done as required outside assignments. 5 units. MWF, 9.

103a, 103b. Literature of the Nineteenth Century.

Miss M.

Study of the outstanding dramatists, novelists and poets from the nineteenth century.

romantic period to the end of the century, with stress upon the later and poets. MWF, 10.

51b. Composition and Conversation. Miss Marburg
extensive drill in written and oral expression; free composition;
conversation on assigned topics or extempore, with special
stress on the acquisition of a correct pronunciation and intonation,
phonetics being used as an aid. This course is conducted, for the
first part, in French. TThS, 9.

53b. Literature of the Seventeenth Century. Miss Marburg
the fall term, introductory lectures on the historical background
of the precursors of the great plays of Corneille and Racine fol-
lowed in the spring term by a detailed study of Molière and a con-
sideration of certain writings of other outstanding authors. MWF, 8.

Literature of the Eighteenth Century.
Critical study of the French philosophers of the eighteenth cen-
tury with especial attention to Montesquieu, Voltaire and J. J.
Rousseau. Collateral readings and reports. (Omitted in 1942-43)

57b. Survey of French Literature. Miss Marburg
the development of French literature from the earliest times to
the present. This course consists primarily of extensive readings
by the individual student in important phases of French language
and literature not touched upon in other departmental offerings.
Occasional lectures will be given by the instructor; oral or written
reports on outside readings are presented by the students. Arranged.

Certain advanced courses in French given at Scripps College are
open to qualified Pomona students.

Italian

50. Elementary. Mr. Crowell
rapid survey of the grammar with special emphasis on the pro-
nunciation. Extensive reading of modern prose. A thorough
understanding in French, Spanish, or Latin is strongly recommended.
TThS, 9. (Omitted in 1942-43)

In the Romance field the graduate seminars offered under the
Montgomery Colleges plan center on the following periods of the
literature:

- French: 16th Century, 19th Century,
Contemporary Period.
- Spanish: From Beginnings to Golden Age,
Golden Age, 19th Century,
Contemporary Period.
Spanish American.

Spanish

For concentration see preceding page under Romance Languages and Literatures. For students expecting to engage in International relations, either cultural or commercial, a knowledge of Spanish is essential.

13a-13b. Elementary and Intermediate.

Mr. Crowell and Miss

Essentials of grammar; drill in pronunciation, speaking and dictation. Introductory readings from easy modern texts, followed by extensive reading of works of modern Spanish writers chosen to represent as many literary forms as possible; outside reading assignments adapted to the needs and interests of the individual student. This course, meeting five times a week, is designed to enable the student to cover in the fall and spring terms approximately the work covered in a four-term, three-unit course. Completion of this course admits to the advanced courses in the language and literature. 5 units. Two sections, MWF, 11, TTh, 8; and TTh, 11, WF, 8.

71a-71b. Intermediate. Grammar Review and Modern Reading.

Miss

A course designed for those students who have completed two years of high school Spanish, or a three-unit year course in college. Includes review of grammar with the translation of moderately difficult English into Spanish, including the writing of business letters and conversation. Extensive reading of modern Spanish texts chosen to represent as many literary forms as possible; a part of this work is done as required outside assignments. MWF, 10.

113. Modern Spanish Theater.

Miss

Study of the works of the leading Spanish playwrights from the 16th century to the present time. Reading by the entire class of certain plays; reports on individual outside readings. Conducted in Spanish. Spring term. TThS, 10.

114. Modern Spanish Novel.

Miss

Study of the principal Spanish prose works from 1800 to the present time with emphasis on the novel. Extensive outside reading assignments. Ten reports. Conducted in Spanish. Spring term. TThS, 10.

115a-115b Spanish Composition and Conversation. Miss

Intensive drill in written and oral expression; free composition, commercial correspondence; dictation; conversation, on set topics or extempore, with especial stress on the acquisition of correct pronunciation and intonation. This course is conducted, in the most part, in Spanish. TThS, 9.

173b. Literature of the "Siglo de Oro." Mr. Crowell
the fall term, the life and works of Cervantes, including an intensive study of the "Quijote"; followed, in the spring term, by a consideration of the dramatic writings of Lope de Vega, Tirso, and Calderón. Assigned outside readings and reports. TTh, 2:15-3:30.

175b. Spanish American Literature. Mr. Crowell
intensive study of some of the outstanding literary productions of Spanish America. Extensive outside readings; individual reports. Geography, history and culture are stressed in introductory lectures and class discussions. TTh, 2:15-3:30. (Omitted in 1942-43)

177b. Survey of Spanish Literature. Mr. Crowell
the development of Spanish literature from the earliest times to the present. This course consists primarily of extensive readings done by the individual student in important phases of Spanish language and literature not touched upon in other departmental offerings. Occasional lectures will be given by the instructor; oral and written reports on outside readings are presented by the students. Arranged.

Sociology

The concentration program for this department is outlined on page 68.

179a. Social Origins. Mr. Baber
study of the earliest known development of man and human culture. The biological emergence of man from subhuman forms is treated briefly. The growth of culture from Stone Age to Iron Age, and the rise of such culture patterns and institutions as language, family, private property, religion, the state, music, art, etc. Open to Freshmen and Sophomores only. Fall term. MWF, 10.

181a. Comparative Cultures. Mr. Baber
certain cultures are selected from each of three levels: primitive, ancient civilization, modern civilization. These are analyzed and compared as to basic customs, traditions, and philosophies of life, including folklore and proverbs, religious beliefs, economic activities and organization, political or group control, marriage and family customs, types of recreation, and extent of cultural self-sufficiency. Prerequisite: 1, or special permission of instructor. Spring term. MWF, 10.

183b. Elements of Sociology. Mr. Kirk
introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop a critical,

comparative, and constructive attitude toward contemporary problems. Application of sociological principles to modern problems, such as race prejudice and movements of population, urbanization and neo-Malthusianism, marriage and divorce, and crime, child welfare, leisure time activities. TThS, 9, 10.

107. Criminology.

Mr.

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in courts and in penal institutions. Prevention of delinquency through control of the causes. Prerequisite: Sociology equivalent. Fall term. MWF, 10.

108. Labor Problems.

Mr.

A survey of labor problems and causes of industrial unrest, collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial problems of reconstruction. Spring term. MWF, 10.

109. Marriage and the Family.

Mr.

Factors involved in mate selection and the complex husband and parent-child relationships. Difficulties of adjusting marital and family patterns to our rapidly changing culture. Analysis of the factors promoting family disorganization, as well as measures seeking to conserve the socially valuable functions of family. No previous work in Sociology required, but open to Junior and Seniors only. Fall term. Two sections. MWF, 8, 1:15.

110. Race Relations.

Mr.

Biological and sociological concepts of race. The migration and distribution of races. The role of "race consciousness" in world strife, and the development of group consciousness and status. The experience of several nations with racial minorities (amalgamation vs. accommodation) with the emphasis on American experience with Negroes, Mexicans, and Orientals. Spring term. MWF, 1:15.

111a-111b. Native Cultures of the New World.

Mr.

The peopling of the Americas; the physical types and their relation to other racial stocks; the development of American Indian culture in the New World; the characteristics and regional differences of material life, social organization, language, mythology, and religion in aboriginal America; the culmination of New World Developments in the great civilizations of Middle America.

oltec, Aztec, Inca); Indian-White relations, government control, and acculturation since European conquest. Prerequisite 1 and 2, permission of the instructor. MWF, 11.

Social Control.

Mr. Baber

n analysis of human nature and its social origin. The growth of our social heritage through social change, with its rapid acceleration in modern times making social control increasingly difficult. How society develops and maintains social patterns for the control of conduct through law, public opinion, education, religion, rewards, and similar agencies, and the degree to which these attempts are successful. Spring term. MWF, 8.

Theories of Social Reform.

Mr. Kirk

study of various proposals for social reconstruction including: the Utopians, Marxian Socialism, Fabian Socialism, Syndicalism, and Anarchy. An investigation of contemporary experiments in social reorganization: The British Labor Movement, The Fascist regime, Soviet Russia and the Cooperative Movement in Europe, Asia, and America. Fall term. MWF, 9.

Contemporary Sociological Thought.

Mr. Kirk

a analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation. A survey of the leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Spring term. MWF, 9.

91b. Advanced Studies in Sociology.

Mr. Kirk and Mr. Baber

research in social problems and agencies. Various techniques which have been developed in sociological research will be used in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the definite limitations of the several tools of research. Open only to Seniors. arranged.

KEY TO BUILDINGS

PERMANENT



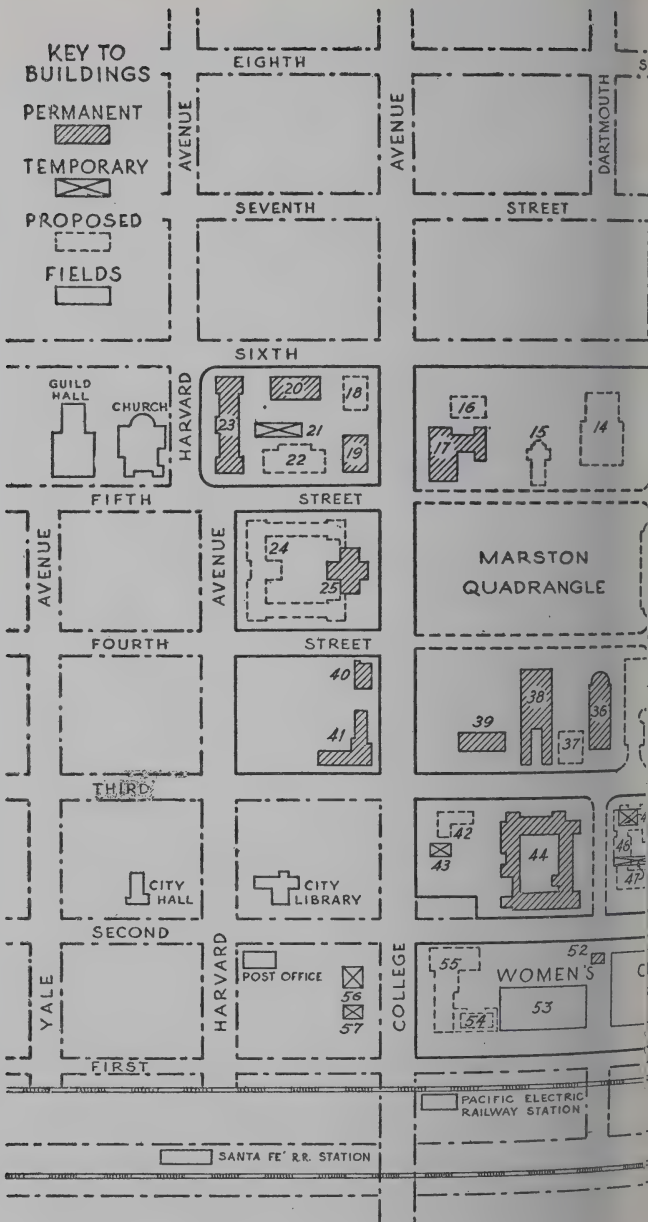
TEMPORARY



PROPOSED



FIELDS



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PERMANENT

3. Eli P. Clark Hall
5. Eli P. Clark Hall and Frary Hall
8. Tennis Courts
9. Alumni Athletic Fields
10. Training Quarters
11. Swimming Pool
13. Smiley Hall
14. Student Building

17. Holmes Hall
19. Pearsons Hall
20. Crookshank Hall
23. Mason Hall
25. Library
26. Bridges Auditorium
29. Volley Ball Court
- 29-A. Baseball Field
30. Brackett Observatory
31. Open-Air Theater
32. Hockey Field
33. Tennis Courts
35. Tennis Courts
36. Sumner Hall
38. Bridges Hall
39. Rembrandt Hall
40. President's House
41. Claremont Inn
44. Harwood Court
49. Florence Carrier
- Blaisdell Hall
51. Women's Playing Field
52. Field House
53. Women's Playing Field
58. Heating Plant

TEMPORARY

6. Garages
7. College Shops
21. Harwood Hall
27. Little Gymnasium
28. Big Gymnasium
43. Baldwin House
45. Kenyon House
47. Garages
50. Brackett House
56. Haddon Hall
57. Denison House

PROPOSED

1. Dean's House
2. Men's Dormitory
4. Browsing Room and Lounge
12. Men's Gymnasium
15. Chapel
16. Dramatic Studio
18. Botany Building
22. Physics Building
24. Addition to Library
30. Brackett Observatory
34. Museum of Pomoniana
37. Music Annex
42. Residence for Dean of Women
46. Women's Dormitory
48. Women's Dining Hall
54. Pool
55. Women's Gymnasium



SUMMARY OF STUDENTS

1941 - 1942

Compiled March 1, 1942

[illegible]

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APRIL, 1943

No.

1943

1944

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College Calendar for 1943-1944

Fall Term

August	27, Friday	Residence halls open for new students only, 12 noon
August	27 - 31,	Program for new students
August	28, Saturday	Psychological examinations for all new students 8:00 - 4:00. Attendance required.
August 28 and 29, Saturday and Sunday		Separate conferences for all new men and women students.
August	30, Monday	Conference Day for new students
August	31, Tuesday	Registration day for new students Residence halls open for returning students
September	1, Wednesday	Registration day for returning students Special freshman classes begin
September	2, Thursday	Fall term classes begin 8 a.m. Opening Convocation, 11 a.m.
September	16, Thursday	Last day for changing courses
September	9, Saturday	First low grade report due
September	14, Thursday	Founders Day, Flame Ceremony, 11 a.m. Final day for withdrawal from classes without penalty
September	8, Monday	Second low grade report due
September	25, Thursday	Thanksgiving Day
September 11 - 18		Examination period
September	17, Friday	Commencement
September	18, Saturday	Fall term ends

College Calendar for 1943-1944

Spring Term

January	3, Monday	Registration Day
January	4, Tuesday	Spring term classes begin, 8 a.m.
January	6, Thursday	Opening Convocation of Spring term, 11 a.m.
January	18, Tuesday	Last day for changing courses
January	22, Saturday	Matriculation and Parents' Day Convocation, 11 a.m.
February	5, Saturday	First low grade report due
February	15, Tuesday	Final day for withdrawal from classes without penalty
March	6, Monday	Second low grade report due
April	13 - 20,	Examination period
April	23, Sunday	Baccalaureate Day
April	24, Monday	Commencement

This catalog contains announcement of courses to be offered the fall and spring terms of 1943-44. A special bulletin on summer term will be issued early in 1944.

May	1, Monday	Summer term begins
August	18, Friday	Summer term ends
August	28, Monday	Fall term begins

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1943 - 1944

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Dean of Students 1 Sumner Hall	William E. Nicholl
Dean of Women 2 Sumner Hall	Jessie E. Gibson
Director of Admissions, Assistant Dean of Students 4 Sumner Hall	J. Edward Sanders
Order 6 Sumner Hall	Margaret Maple
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Controller 4 Sumner Hall	Allin W. Dakin
Treasurer 5 Sumner Hall	Ernest E. Jones
Superintendent of Plant 7 Sumner Hall	Harold A. Nelson
Director of Dormitories 8 Sumner Hall	May C. Frank
Director of Dining Halls 9 Sumner Hall	Lucille Gramse

FACULTY

Elijah Wilson Lyon 345 College
President, 1941.
 B.A., University of Mississippi; B.A. and B. Litt., University of Oxford;
 Ph.D., University of Chicago.

Emeritus Faculty

Charles Keyser Edmunds 860 Columbia
President, 1928. Emeritus since 1941.

Edwin Clarence Norton 145 W. Seventh
Dean of the Faculty and Professor of the Greek Language and Literature
on the Edwin Clarence Norton Foundation, 1888. Emeritus since 1941.

Frank Parkhurst Brackett 270 E. Third
Professor of Astronomy on the Frank Parkhurst Brackett Foundation
Director of the Observatory, 1888. Emeritus since 1933.

George Stedman Sumner 105 College
Professor of Economics and Sociology, 1897.
Controller, 1922. Emeritus since 1941.

Mendal Garbutt Frampton 927 Harvard
Professor of the English Language, 1904. Emeritus since 1940.

William Polk Russell 540 E. Sixth
Professor of Mathematics on the Joseph W. Fiske Foundation, 1904.
Emeritus since 1932.

Grace Ella Berry 353 W. Eleventh
Dean of Women, and Associate Professor of Mathematics, 1909.
Emeritus since 1935.

Maro Beath Jones 807 College
Professor French Literature, 1911. Emeritus since 1940.

Raymond Cummings Brooks 5353 W. 3rd St., Los Angeles
Professor of Religion on the Nancy M. Lyon Foundation, 1921.
Emeritus since 1936.

Bruce McCulley 210 E. Foothill
Professor of English Literature, 1921. Emeritus since 1939.

Bernard Capen Ewer 706 Indian Hill
Professor of Psychology, 1916. Emeritus since 1943.

*Active Faculty*¹

Wm Atwood Hilton 1293 Dartmouth Ave.
 Professor of Zoology on the Willard George Halstead Foundation, 1905.
 Cornell University; Ph.D., Cornell University.

Haine Lyman 357 W. Tenth St.
 Professor of Applied Music, Head of Department of Music, 1917.
 Grinnell College. Student in voice with Karleton Hackett, William
 Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes
 Cooper and other American masters and with Vittorino Moratti in Berlin.

Wm Evan Nicholl Eli P. Clark Hall
 Professor of Students, 1919.
 Bellevue College; M.A., Columbia University. Graduate Student,
 Edinburgh University.

Elmer Robbins 487 Harrison Ave.
 Professor of Classical History and Language, 1915, and Director of the
 Library.
 M.A., Ph.D., University of Michigan.

Wm Kirk 705 Indian Hill Blvd.
 Professor of Sociology on the Henry Snyder Foundation, 1922.
 Johns Hopkins University; Ph.D., Johns Hopkins University.

White Nixon 721 Harrison Ave.
 Professor of Physical Education for Men, 1916.
 Monmouth College; M.A., Columbia University. Graduate Student,
 Illinois and California Universities.

Wesley Pitman 116 E. Twelfth St.
 Professor of History on the Warren Finney Day Memorial Founda-
 tion, 1924.
 Yale University; M.A., Yale University; Ph.D., Yale University.

Ray Tileston Eli P. Clark Hall
 Professor of Physics on the Seeley W. Mudd Foundation, 1925.
 Dartmouth College; M.A., Dartmouth College; D.Sc., Colorado
 College.

Wm Tabor Fitts 4435 N. Live Oak Drive
 Professor of Education, 1919.
 Amherst College; M.A., University of California. Graduate Student,
 Harvard University.

¹The Faculty arranged in order of appointment to present rank. The
 number in each case denotes the beginning of original term of service.

Philip Alexander Munz

1165 Indian Hill Bl

Professor of Botany on the Henry Kirke White Bent Foundation, 1917.
 B.A., M.A., University of Denver; Ph.D., Cornell University. Graduate Student, University of Chicago.

Kenneth Duncan

1100 Harvard A

Professor of Economics on the Stedman-Sumner Foundation, 1926.
 B.A., Wabash College; M.A., University of Wisconsin; Ph.D., University of Michigan.

Alfred Oswald Woodford

443 W. Tenth

Professor of Geology, 1915.
 B.A., Pomona College; Ph.D., University of California.

Jessie Edith Gibson

405 Yale A

Dean of Women on the Martha N. Hathaway Foundation, 1927.
 B.A., University of Idaho; M.A., University of Washington. Graduate Student, California and Columbia Universities.

Charles Judson Robinson

809 Indian Hill Bl

Professor of Chemistry on the Carnegie Foundation, 1927.
 B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University.

Edward Taylor

1022 Harvard A

Professor of Engineering Mathematics, 1920.
 C.E., University of Minnesota; M.A., University of Southern California. Graduate Student, University of Oregon.

Edward McChesney Sait

238 E. Seventh

Professor of Government, 1928.
 B.A., Toronto University; M.A., Toronto University; Ph.D., Columbia University.

Chester George Jaeger

1045 Yale A

Professor of Mathematics, 1931.
 B.A., B.S., M.A., Ph.D., University of Missouri.

Robert Sidney Ellis

917 Harvard A

Professor of Psychology, 1931.
 B.A., University of Arkansas; Ph.D., Clark University.

Walter Alfred Allen

175 East 12th

Professor of Musical Theory and Appreciation, 1912.
 B.A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.

Everett Samuel Olive

University Club, 8th and Amherst

Professor of Piano, 1923.
 B.Mus., Simpson College. Graduate Student, Simpson College. Pupils: Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.

Faculty

II

- es White Crowell 450 University Circle
Professor of Romance Languages, 1929.
 S., Haverford College; M.A., Haverford College; Ph.D., Cornell University.
- abeth Kelley 665 Marylind Ave.
Professor of Physical Education for Women, 1928.
 A., University of Wisconsin; M.A., New York University; Ph.D., Stanford University.
- Erwin Baber 999 N. College Ave.
Professor of Sociology, 1939.
 A., Campbell College; M.A., Ph.D., University of Wisconsin.
- mond C. Baird
Professor of Military Science and Tactics, 1941.
 h.B., Simpson College; Graduate Command and General Staff School; Colonel, U. S. Army.
- Shou-Yi 690 Indian Hill Blvd.
Professor of Chinese Culture, 1941.
 A., Lingnan University; Ph.D., University of Chicago.
- tt Curtis Lincoln 472 W. Tenth St.
Professor of English, 1924.
 A., Colby College; M.A., State College of Washington and Harvard University.
- amin David Scott 828 College Ave.
Professor of Public Address, 1923.
 A., University of Southern California; S.T.B. Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard Universities.
- er Ticknor Whitney 445 W. Tenth St.
Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.
 S., M.S., Pomona College; Ph.D., University of Chicago.
- ward Sanders 739 Harvard Ave.
Director of Admissions and Assistant Dean of Students, 1942.
 A., Hendrix College; M.A., Ph.D., Columbia University.
- is Raymond Iredell 1060 College Ave.
Professor of Philosophy on the Robert C. Denison Foundation, 1925.
 A., Pomona College; M.A., Ph.D., Harvard University.
- ard Eugene Meland 275 W. Tenth St.
Associate Professor of Religion, 1936.
 A., Park College; Ph.D., University of Chicago. Graduate Student, McCormick Theological Seminary, Marburg University.

- Thomas Montague Beggs 424 W. Tenth
Associate Professor of Art, 1926.
 B.F.A., Yale University. Graduate, Pratt Institute; Diplôme Ecole
 Beaux Arts, Fontainebleau; Graduate study, Harvard University.
- Carl Baumann 459 W. Eleventh
Associate Professor of German, 1931.
 Ph.D., University of Basel.
- Harold Davis 612 W. Tenth
Associate Professor of English, 1927.
 B.A., Stanford University; B.A. and B.Litt., Oxford University.
- Ernest Albert Strathmann 160 W. Eleventh
Associate Professor of English, 1932.
 B.A., M.A., Ph.D., Johns Hopkins University.
- Robert Lobingier Strehle 1019 Dartmouth
Associate Professor of Physical Education for Men, 1923.
 B.A., Pomona College. M.A., Claremont Colleges. Graduate Student,
 University of Southern California, University of California, Stanford
 University.
- Helen Marburg 225 East 11th S
Associate Professor of Romance Languages, 1940.
 B.A., University of London; Ph.D., Stanford University.
- Margaret Husson Maryland
Associate Professor of Spanish, 1925.
 B.A., University of Kansas; M.A., Columbia University. Graduate
 centro de Estudios Históricos, Madrid.
- Colvin Heath 750 Indian Hill
Assistant Professor of Physical Education for Men, 1922.
 B.A., Pomona College; M.A., Stanford University.
- Emilie Elizabeth Wagner
Assistant Professor of German, 1928.
 B.A., Smith College; M.A., Pennsylvania State College. Doctor
 l'Université, mention Lettres, Toulouse.
- Marion Jeanette Ewing 487 W. Sixth
Assistant Librarian, 1912.
 B.A., Olivet College; B.S., Simmons College; M.A., Boston University.

s Haupt¹

Assistant Professor of Physics, 1930.

A., Colorado College; M.A., University of California. Ph.D., University of California.

eth G. Fiske

905 Harvard Ave.

Assistant Professor of Violin, 1936.

Mus., M.Mus., American Conservatory of Music. Pupil of Leon Sametini, Jacques Gordon, Otokar Sevcik.

Howes Gleason

512 Baughman Ave.

Assistant Professor of History, 1939.

A., Ph.D., Harvard University; B.Litt., Oxford University.

es Burton Fahs¹

Assistant Professor of Oriental Affairs, 1936.

, M.A., Ph.D., Northwestern University; Graduate Student, University of Berlin. Fellow of General Education Board in Paris and Japan.

am G. Blanchard

1495 Via Zurita

Assistant Professor of Music, 1936.

Mus., DePauw University; M.Mus., University of Michigan.

Jurecka

163 W. Eleventh St.

Assistant Professor of Art, 1932.

Graduate, Imperial and Royal College of Sculpture, Horice, Bohemia.

J. Hamilton

735 Yale Avenue

Assistant Professor of Mathematics, 1936.

, University of California at Los Angeles; M.A., Ph.D., Brown University.

Goss Bristol

1020 Berkeley

Assistant Professor of Physical Education for Women, 1935.

, Pomona College; M.A., Columbia University.

eth Cawthorne

1265 Indian Hill Blvd.

Assistant Professor of Physical Education for Women, 1935.

, M.A., University of California.

askell Kemble²

Assistant Professor of History, 1936.

, Stanford University; M.A., Ph.D., University of California.

Dayton

262 W. Sixth St.

Assistant Professor of Music, 1938.

, Oberlin College; Graduate study in Berlin and New York.

n Thomas Jones²

Assistant Professor of Philosophy, 1938.

, Swarthmore College; B.Litt., Oxford University; Ph.D., Princeton University.

ent for Government Service, 1943-44.

ent for Military Service, 1943-44.

- George N. Tyson 600 E. Base
Assistant Professor of Chemistry, 1938.
 B.A., Pomona College; M.S., Ph.D., University of Southern California.
- Norman Elliott¹
Assistant Professor of Chemistry, 1938.
 B.A., M.A., Oberlin College; Ph.D., California Institute of Technology.
- Earl Jay Merritt Eli P. Clark
Assistant Professor of Physical Education, and Social Director of the M
Campus, 1925.
 B.A., Pomona College.
- Mary C. Love 220 W. Tenth
Head of Library Loan Department, 1929.
 B.A., M.A., Stanford University.
- Virginia Princehouse Allen 175 E. Twelfth
Instructor in Dramatics, 1930.
 B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.
- Murray Delmar Kirkwood²
Instructor in Government, 1939.
 B.A., Pomona College and Oxford University; M.A., Fletcher School of Law and Diplomacy, and Harvard University.
- Joseph Warner Angell²
Instructor in English, 1939.
 B.A., College of Wooster; M.A., University of Oregon; Graduate Student, Yale University.
- Mervin Shirley Snider²
Instructor in Music, 1939.
 B.A., Pomona College; M.A., Eastman School of Music.
- Willis E. Pequegnat 433 Harrison
Instructor in Biology, 1940.
 B.A., University of California; Ph.D., University of California at Los Angeles.
- Margaret Maple 320 W. Tenth
Recorder, 1940.
 B.A., Pomona College.
- Harold B. Stewart 1036 College
Instructor in Military Science and Tactics, 1940.
 B.A., Pomona College; Captain, Infantry Reserve, U. S. Army.
- Frederick Ludwig Mulhauser, Jr. 1227 Dartmouth Av
Instructor in English, 1941.
 B.A., College of Wooster; M.A., Ph.D., Yale University.

¹Absent for Government Service, 1943-44.

²Absent for Military Service, 1943-44.

- es Shiveley Holmes 1245 Dartmouth Avenue
Instructor in English, 1941.
 A., Oberlin College; Ph.D., Princeton University.
- er James Lee, Jr. 463 Baughman Avenue
Instructor in Government, 1941.
 A., Pomona College; M.A., University of California.
- c Thomson 644 Indian Hill Blvd.
Instructor in Physical Education for Women, 1942.
 A., M.A., Mills College.
- ary Jaquith 727 College Avenue
Instructor in Physics, 1942.
 A., Scripps College.
- v Albrecht 4108 Padua Road
Instructor in Chemistry, 1942.
 A., M.A., Ph.D., University of California at Los Angeles; M.S., California Institute of Technology.

Departmental Lecturers

- nce J. de Rycke 311 S. Alexander Avenue
Instructor in Economics, 1942.
 A., M.B.A., University of Oregon.
- as A. Pollock 957 N. Euclid Ave., Ontario
Instructor in Music, 1942.
 A., Pomona College; B. Mus., Eastman School of Music; M.A., Claremont Colleges.

Visiting Instructors in Music

- imonsen, *Violoncello*
 Kastner, *Harp*

Faculty Committees¹

1943-1944

Administration—President, Dean of Students, Dean of Women
Pitman, Hilton, Jaeger, Strathmann, Munz.

Admission—Nicholl, Sanders, Gibson, Ellis, Maple.

Athletic Council—Nixon, Nicholl, Woodford, three student representatives, and two alumni representatives.

Pomona College representatives on the Southern California Intercollegiate Athletic Conference—Nicholl, Jaeger, Nixon.

Classification—Nicholl, Duncan, Whitney, Sanders, Maple, Taylor, Lincoln.

College Life—Nicholl, Gibson, Jaeger, Merritt, Husson, Tyson, Sanders, Duncan, President Associated Students, and President Associated Women Students consultant members on call.

Courses of Study—Munz, Fitts, Strathmann, Marburg, Gleason, Fiske, Maple, Lee, Pequegnat.

English—Mulhauser, Hamilton, Meland, Crowell, Thomson.

Health—Kelley, Robinson, Nicholl, Gibson, Nixon, Pequegnat, Coltrin, Heath, Cawthorne, A.W.S. and A.M.S. President consulting members on call.

Honors—Davis, Pitman, Elliott, Sait, Tyson, Holmes, Chen.

Library—Baumann, Crowell, Robbins, Hamilton, Pitman, Duncan, Ewing.

Personnel—Sanders, Gibson, Fitts, Nicholl, Merritt, Maple, Ellis, Husson, Bristol.

Public Events—Nicholl, Lyman, Scott.

Religious Activities—Meland, Baber, Scott, Lyman, Marburg, Blanchard, and two student representatives.

Scholarships—Iredell, Nicholl, Gibson, Marburg, Meland.

Student Aid—Nicholl, Gibson, Sanders, Merritt, Baber.

Special War Committees

Military Service—Nicholl, Baird, Strehle, Baber.

Women Students and the War—Gibson, Fitts, Kelley, Maple, Pequegnat.

Medical—Robinson, Coltrin, Pequegnat.

Theological—Scott, Meland, Iredell.

Warrior Defense—Lee, Nicholl, Gibson, Gleason, Tyson, Dayton, Stewart, Coltrin, and nine student representatives.

Warrior Center of Information and Training—Robbins, Allen, Beggs, Wagner, Crowell, Love, and six student representatives.

person named is chairman.

THE COLLEGE

The Founding of Pomona

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California.

Original Trustees

Henry Kirke White Bent	Pasadena
Nathan W. Blanchard	Santa Paula
Anson Brunson	Los Angeles
Elwood Cooper	Santa Barbara
James T. Ford	San Bernardino
James H. Harwood	San Diego
David D. Hill	Pasadena
Theodore C. Hunt	Riverside
George W. Marston	San Diego
John K. McLean	Oakland
Henry A. Palmer	Oakland
Seth Richards	Boston, Mass.
Charles B. Sheldon	Pomona
Charles B. Sumner	Pomona
Andrew J. Wells	Long Beach

Of this group, Mr. George W. Marston is still a member of the Board. He served as its President for twenty-seven years, and is now Honorary President.

The College was incorporated October 14, 1887. The work of instruction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the College. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The class was graduated in 1894, at which time the total number college students was forty-seven. Since 1915 the enrollment has been held at approximately 750 divided equally between men and women and among the four classes.

The Associated Colleges

The imperative demand for expansion led to the adoption of the inspiring leadership of President James A. Blaisdell, of a group plan of affiliated colleges, in which the obvious advantages of the small college are combined with those of the large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps, whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

Claremont Colleges, with its own trustees known as "The Board of Fellows," some of whom are also trustees of Pomona or Scripps, constitutes a central group, focusing a mutual effort, to return to each member of that group a stimulating and ennobling influence. Through the bequest of the late Seeley Mudd, first chairman of its Board of Fellows, and erstwhile a trustee of Pomona College, Claremont Colleges received a fund of one million dollars for the establishment of its work.

These three institutions, Pomona, Scripps and Claremont, are independent, but cooperate in maintaining certain mutual activities and facilities. Pomona and Scripps exchange upper division room privileges, thus enlarging the opportunity of the more advanced students for a choice of instructors and subject matter. Graduate School, the central library, and in part the sponsorship of research work are carried on as common enterprises of the three institutions under the administration of Claremont Colleges. Buildings and facilities of Claremont Colleges and the laboratories of Pomona College are for the use of all.

The three associated colleges cooperate in the administration of a health service, which includes the full time of a physician and the operation of a thoroughly up-to-date infirmary.

To Claremont Colleges is entrusted the responsibility for an auditorium seating 2600 and for the music and lecture courses presented in it each year, the development of a central heating plant, the purchasing and cataloging of books for all three libraries, and

the conduct of a common business office, each institution shares proportionately in the cost of these common services. An "Intercollegiate Council" serves as a co-ordinating agency for matters of mutual concern.

Claremont

One of Pomona's greatest assets is Claremont, the unique academic community of 3200 that has grown up around the college. The early settlers were New Englanders and they gave Claremont an atmosphere unusual on the Pacific Coast. With the growth of Pomona and the foundation of Scripps College and Claremont Colleges the village has come to be a cultural center of unusual significance.

The prestige and advantages of the colleges brought other educational and religious institutions to the village. Four private preparatory schools are now located in Claremont. Under the auspices of the Congregational Church a community for retired ministers and missionaries was founded in 1915. This enterprise, now called Pilgrim Place, has experienced marked success.

The charm of Claremont has led other distinguished men and women to move here after retirement from business and professional life. Each winter the village entertains a number of visitors who come to enjoy the climate and the beauty of citrus groves beneath towering, snow-capped mountains.

Pomona students thus enjoy life in a cosmopolitan community which retains the charm and intimacy of a New England village. Yet they are in no sense isolated from the busy life of Southern California, for the college is only four miles from the town of Pomona and only thirty-five miles from Los Angeles. By its location Pomona College combines the advantages of both village and city life.

Pomona's Ideal

Pomona College represents the effort to maintain in an exceptionally favorable environment a small independent residential college whose students enjoy the inestimable advantages of intimate contact with each other and with their instructors. The college endeavors to give individual attention to all its students. At the same time, the close associations with Scripps and Claremont Colleges afford at Pomona facilities normally available only in large universities.

From the very beginning Pomona has maintained a reputation of interest in thorough scholarship rather than in large numbers. Membership in the institution itself is regarded as a scholastic honor. Pomona's devotion to scholarship received national recognition in 1914 when the college was awarded a chapter of Phi Beta Kappa. Since September 1924 the college has given further impetus to academic achievement by maintaining an honors type of instruction which affords special opportunities for independent work to students of recognized ability.

Pomona holds that scholarship should not only be high but also broad and inclusive. It insists that the best preparation for life is a liberal arts education. Only such training can provide the comprehensive view of society required in the modern world. Pomona aspires to train men and women who can provide professional, business, and civic leadership in their respective communities.

Social Training an Essential Part of Education

Some of the greatest values in higher education come from the direct contact of student with student. Pomona College is an intimate community in which the student's daily living, as well as his academic work, is under the direction of the college. With the exception of the small group that lives at home, all students are accommodated in dormitories and dining halls owned by the college. Pomona is one of the most completely residential colleges in the United States.

Living together in finely appointed college halls induces social activities not acquired otherwise. Exchange dinners between the women's campus and the men's campus afford opportunities for social intercourse and entertainment at no extra expense. Students dine in the private dining rooms for luncheons and dinners with distinguished visitors to the campus. The fraternities have their private rooms within the men's dormitories in close association with the rooms assigned to the members of the several groups.

Pomona's co-educational character greatly increases the cultural life of its student body. Working together on social as well as academic problems, men and women students associate in mutual respect and dignity. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

The College

Religious Life

While originally Congregational in organization, the College long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free of ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, though nonsectarian.

Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it fosters the consideration of those age long spiritual aspirations and interpretations which constitute religion. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of his education, to seek an interpretation of his own guided by the critical study of those arrived at by others.

The college desires to offer its students the greatest opportunities for spiritual growth and religious experience. A department of religion is maintained in the regular curriculum and a group of courses is available. Weekly devotional chapels, sponsored and church services are held at the college each Sunday morning.

The village of Claremont enjoys the great advantage of a community church in which all Protestant denominations worship together. Students are encouraged to affiliate with the church and to attend its services. There they enjoy fellowship with students, faculty, and townspeople.

THE COLLEGE AND THE WAR

Soon after the United States entered the war Pomona College revised its traditional academic procedures. The college realized its mutual responsibility of providing and preserving education in the liberal arts, and of making the maximum contribution toward military victory. The calendar was revised, the curriculum reorganized, and several special committees were organized to advise students. One training program for the armed forces has been undertaken and others are in prospect.

Accelerated Program

Early in January, 1942, the faculty voted to place the college on a year-round basis for the duration of the war. The academic year is divided into three terms of sixteen weeks each. A term is equivalent to the academic work and credit previously given in a semester.

The year-round program makes it possible for students now in college to graduate earlier, or to complete certain essential courses before they are called into national service. For instance, a student entering Pomona in the autumn of 1943 who continues in the accelerated program may graduate in the spring of 1946. Students who do not desire to expedite their program may continue with the four year course.

Work in Science

Pomona College has long been distinguished for the excellence of its work in science. Student interest, particularly in mathematics, physics, and chemistry, has been intensified by the war, and a larger number of men have been permitted to remain in college to complete their training in these fields.

Since the war the college has paid particular attention to pre-medical education, which had always been emphasized at Pomona. A special faculty committee on pre-medical education has been organized for the purpose of advising students and for integrating pre-medical training at Pomona with the accelerated program in medical schools.

The College and the War

Women Students and the War

In revising its curriculum Pomona has given great thought to the wartime responsibilities of college women. The college feels that women students can make their greatest contribution by continuing their education and preparing themselves for work in the professional fields in which serious shortages exist, such as teaching, nursery school, medicine, nutrition, and social work. Students not majoring in such fields are advised to take at least one course each term directly applicable to war work. A list of such "war minors" has been prepared and distributed to all women students by the special committee on College Work and the War.

Pre-Meteorological Program

With the beginning of the war Pomona tendered its facilities to the government for any service which the college might render to the country. In the autumn of 1942 Pomona, along with Amherst College, Bowdoin College, Carleton College, Denison University, Hamilton College, Haverford College, Kenyon College, Reed College, University of Chicago, Vanderbilt University, and the University of Virginia, was asked to undertake a basic meteorological training program for the Army Air Forces. This course, known as the "C" program, was initiated at the college on February 15, 1943.

A detachment of 225 enlisted men in the Army Air Forces has been stationed at Pomona College for a period of two months. These men are being trained as future weather officers for the Army Air Forces. Upon completion of their basic meteorological training at Pomona they will be sent for additional eight months to one of the advanced centers which have been organized in a selected group of universities.

The pre-meteorological program is a cooperative venture between the college and the Army Air Forces. All matters of military training, personnel, and discipline are the responsibility of the Detachment Commander and his staff. Housing and messing are provided by the college in the men's dormitories and the men's dining hall.

Instruction is given by the college, under the supervision of the University Meteorological Committee, which the Army

es have organized for coordinating meteorological training throughout the United States. The educational program is an extremely intensive one and represents six hours of class work in addition to supervised evening study hall. The courses are of college grade and they may be counted for credit toward a degree at Pomona.

The academic work includes courses in physics, mathematics, geography, and American history and English. In addition to regular members of the Pomona faculty a number of lecturers and tutors from other institutions have been engaged to assist in giving this instruction.

Dr. Roland R. Tileston, Professor of Physics, is Educational Director of the pre-meteorological program and also Chairman of the courses in physics and vector analysis. Chairman of the other courses are as follows: Dr. Chester G. Jaeger, mathematics; Dr. John S. Shelton, geography; Dr. Ernest A. Strathmann, chemistry and English.

BUILDINGS AND EQUIPMENT

Pomona College occupies about one hundred and twenty acres of which sixty are included in Blanchard Park, about ten in Alumni Athletic Field, and fifty in the campus proper, centered in Marston Quadrangle.

There are nineteen buildings on the campus, heated from a central heating plant operated by Claremont Colleges.

Administration and Classroom Buildings

The Mary L. Sumner Hall, named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodelled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Massachusetts, reconstructed in 1916 in conformity with modern plans for buildings and campus, is devoted mainly to recitation rooms and departmental offices. It contains also an auditorium seating 750.

The Business Office of Pomona College is maintained in Harper Hall, administered by Claremont Colleges.

Art and Music Buildings

Rembrandt Hall is devoted to the Department of Art. The upper floor contains studio and work rooms; the lower floor contains auditoriums of moderate size for exhibits and lectures.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges of San Diego, offers excellent facilities for the study of music. It contains, in addition to private studios, an auditorium seating 800.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2600 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, seats over 4000.

Science Buildings

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, contains the laboratories and lecture rooms of the departments of physics and mathematics.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Bixby, '01, serves the Department of Astronomy.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

The Marine Laboratory, located at Laguna Beach, has nine privies, rooms for special workers and two general laboratories, as well as storerooms, work rooms and aquarium room.

The Library

The Library, the gift of Mr. Andrew Carnegie, was constructed in 1908, and underwent extensive renovation in the summer of 1918. Its reading rooms accommodate 350 readers. Except for the natural science collections, all books and bound periodicals are housed in the main library.

Residence and Social Halls

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some 105 students besides the House Master and one or more instructors; additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George Frary in memory of Rev. Lucien H. Frary, a Trustee from 1893 to 1903. Besides the Great Hall which will seat 450, there are three smaller dining rooms for special uses.

Harwood Court, a modern dormitory which includes Strong Hall, accommodates 180 women. Florence Carrier Blaisdell Hall, named in honor of Mrs. James A. Blaisdell, houses 80 women. The College also maintains several houses with similar accommodations. All women residents are served by the Aurelia Squier Memorial Dining Hall.

The Student Union, provided through the gifts of many parents, supplemented by funds from the Associated Students and the bequest of the late Florence Riley, houses student offices, including publications, the graduate manager, and the Cooperative Store. It provides a social center for all students and an attrac-

tive and adequate ballroom so that off-campus dances are necessary.

The Claremont Inn

The Claremont Inn, beautifully located on College Ave. opposite the campus, is the guest house of the colleges and community, and is owned and operated by Pomona College. Parents and friends are invited to use the facilities of the Inn for long or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses the friendliness of the colleges and the community.

Athletic Facilities

The Gymnasium, comprising two structures, affords excellent equipment for indoor physical training supplementing the various playing fields for men and for women.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of these men, Shepley Gerry, '17, supplemented by those of alumni, students and friends. Alongside the Training Quarters is a modern standard size swimming pool for men.

Other Facilities

The Pomona College summer camp at Bluff Lake in the Bernardino Mountains consists of five cabins, located on the edge of 120 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great unspoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in their service.

A replica of the original house in Pomona in which the college first opened in September, 1888, has been erected on the campus recently, through the generosity of an anonymous donor. It contains the historical exhibit set up in recognition of the Fiftieth Anniversary, and will become ultimately a museum of Pomoniana.

ADMISSION

Preparing for College

Any person interested in preparing for Pomona, or any school official who is responsible for directing the preparatory programs, is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific plans.

In planning the standard four-year preparatory program applicants will find it advantageous to include, in addition to 3 units of English, the following: at least 2 units of one foreign language; one unit each of history, algebra, geometry, and laboratory science; and two or more units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science.

For advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or Spanish. In some fields, a command of both is desirable. It is much to the advantage of the student to begin the acquisition of reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics, will do well to take both Trigonometry and Solid Geometry in High School if possible.

For further information, write to Office of Admissions, Room 100 Sumner Hall, Pomona College, Claremont, California.

Admission Requirements

Students are admitted to Pomona College upon evidence which satisfies the Committee on Admissions that:

1. The applicant possesses the necessary mental abilities to carry successfully the academic program offered here, and will fully use these abilities to that end.

2. The college, with its program and traditions, and the applicant, with his capacities, interests and needs, are mutually well suited to each other.

3. The Committee tends to judge the fitness of an applicant in terms of reasonably definite academic prerequisites but it makes every effort to form judgments on the basis of the total picture rather than in terms of narrowly technical requirements.

Admission to Freshman Standing

The College does not require any particular pattern of secondary school courses. Most of the students who are accepted submit as partial evidence of their preparation for college a minimum of three years of recommended work in English, two years in foreign language, three years in social studies, two years in mathematics, and two or three years in sciences. Students who have not had such a background are likely to be handicapped in pursuing college work, and this fact is taken into account in appraising the candidate's readiness for college. Where the high school preparation has not included most of the courses listed above the Committee may require achievement tests.

It is normally assumed that candidates will have received a high school diploma. Students from foreign countries or those who submit records showing unusual patterns of preparation may submit other evidences of their readiness to undertake college work.

When the preparatory record does not indicate clearly that a candidate is prepared to carry college work successfully the Committee makes use of tests and other devices to secure supplementary information.

When the preparatory record submitted is clearly unsatisfactory in some respect, the committee reserves the right to reject candidates without further investigation. The Committee does not set arbitrary limits in determining this point, but it does assume that students who do not make recommended grades (A or B equivalent) in a majority of their subjects during the last two years of high school should not attempt to carry the work at Pomona College.

Whenever there are more applicants than can be accepted the Committee attempts to select the strongest candidates with no regard for the chronological order in which applications are received. In all cases admission is granted subject to evidence of satisfactory physical condition on the part of the candidate.

Admission to Advanced Standing

In considering applications for advanced standing the College follows the general policy used for freshman candidates. It requires honorable dismissal from the previously attended institution.

an average grade of *C* or better in liberal arts type of courses in accredited collegiate institutions, together with recommendations from the proper school officials. Transcripts must show the record of the secondary as well as the collegiate institution attended.

Credit allowed for work taken in other institutions will be determined by the Classification Committee after the candidate has been accepted.

Admission to Special Classification

Advanced students, particularly those equipped for advanced studies in special departments, may be admitted as special students for courses for which, by ability and preparation, they may be qualified. Special students are not candidates for a degree.

Three Year Program for Junior College Graduates

Recognizing the increasing demand on the part of many Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to the Master's degree rather than a two-year program leading only to the Bachelor's degree, Pomona College calls the attention of those interested in this procedure to the general statement on page 62 and the supporting departmental exhibits of upper division and graduate work.

Application Procedure

Application and Credentials

Application for admission to Pomona College must be made on the form furnished by the college and all credentials must be submitted to the Committee on Admissions.

The forms and credentials required are:

Application Form I. Including \$3.50 fee.

Two Personal Rating Scales, Form II. Confidential reports by the principal or proper school official, and by a class-room teacher, sent by them to the Director of Admissions.

Personal Letter by the applicant, stating reasons for going to college and why Pomona has been selected, also explaining any extended break in secondary school education and any special conditions affecting college plans. This letter should accompany the application Form I.

4. Official Transcript of high school record to date. At the of selection of candidates, work in progress will be considered in fulfillment of requirements, and admission will be granted subject to the filing of a final transcript showing the satisfactory completion of all secondary school work. This transcript should include interpretation of grading system.
5. Medical Certificate, on a form furnished by the college, signed by a licensed M.D. The college reserves the right to reject students for health reasons.
6. Tuition Deposit of \$25 due within thirty days of date of acceptance. This deposit will apply on the first term college.

Applicants who participate in the scholarship examination may wait until the awards are announced, but must make the \$25 deposit within thirty days after they are announced.

Failure to make this payment results in the removal of the candidate's name from the reserved list both for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who have not paid are placed after those who have paid. Should an accepted candidate who has paid this deposit withdraw one month or more before the beginning of the term for which he was accepted, \$15 will be refunded. Candidates on the waiting list for whom places are not provided will have the entire deposit refunded.

In addition to the procedure noted above, a candidate for admission to advanced standing must file an official transcript of all college work for which he has been previously registered and a statement of honorable dismissal from the institution he attended.

EXPENSES

The fees charged cover only about one-half of the cost of maintaining the educational program of Pomona College. The money received from students is supplemented by income from permanent funds and by gifts secured from year to year.

Tuition _____ per term	\$ 175.00
Including season tickets for Artist Course and Athletic Events.	
Special tuition, for students carrying less than ten units of work, for each such unit _____ per term	17.50
(Exclusive of Artist Course and Athletic tickets.)	
Room and Board in residences for men _____ per term	215.00-302.50
Room and Board in residences for women _____ per term	275.00
Visitor's Fee, required from those visiting a course of study _____ per course	10.00
Laboratory Fees _____ per term	1.00- 15.00
Laboratory Breakage Deposits _____ per term	5.00- 20.00
Fees for Applied Music _____ per term	25.00- 60.00
Practice Fees, Applied Music _____ per term	1.50- 15.00
Fees for Applied Art _____ per term	5.00- 25.00
For exact fee see Courses of Instruction.	
Registration Fee (see page 59) _____	2.00- 10.00
Special Examination Fee (see page 59) _____	1.00- 2.00
Associated Student Dues _____ per term	7.00
This charge is made upon all regular students by action of the Associated Students. Recognizing the value of the activities supported by this fee, the college requires its payment and reserves the right to approve the budget for which it is spent.	
Graduation Fee (see page 57) _____	10.00
The college reserves the right to change the above fees should wartime conditions make it necessary.	

Residence for Men

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that men not actually living at home will live and dine in college.

Residential campus privileges are provided only on the basis of an inclusive charge varying from \$215 to \$302.50 per term, according to location of room. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread.

Smiley Hall has both single and double rooms and suites. Three rooms accommodating two students.

On the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for freshmen students. The other halls have both single rooms and suites.

Residence for Women

It is expected that women students will room in the college residence halls and board at the dining rooms in Harwood Court. Freshmen are required to reside in Harwood Court. Students living at home or working for room or board may make other arrangements with the Dean of Women.

Harwood Court, in which is included the dormitory known as Strong Hall, and the several Colleges Houses which afford residence facilities, have both single and double rooms as well as suites. Florence Carrier Blaisdell Hall, the new dormitory for women, has mostly single but also a few double rooms. Each room is provided with the necessary furnishings, including linens. The only articles to be furnished by the student are linen covers for a single bed.

Residential campus privileges are provided on the basis of an inclusive charge of \$275 per term. A limited number of scholarships-in-aid applicable to this charge are available. Information can be obtained from the office of the Dean of Women.

Residence Regulations

The residence privilege does not include the use of the college residence halls during the Christmas vacation, when the halls are closed. During the residence halls are open for new students the Friday before the opening of the college year and for returning students the day after registration. The residence and boarding privileges end 24 hours after the last examination at the end of the spring term for all students except seniors and those asked by the college to re-

h Commencement. The residence and dining halls are the day after Commencement.

residential breakage fee of \$10 is required from each student, which deductions are made for individual and communal re to college property, any balance being credited to the student account on graduation or withdrawal.

the college reserves the right to dismiss from a dormitory at rebate any student who becomes a disturbing or undesirable occupant.

Bills

College bills are due each term in advance and must be paid by the student at the time of registration. Students wishing to arrange for payment by installments should confer with the college officer before entering, preferably in the summer preceding registration. An interest charge of 6% per annum will be made on unpaid balances. No refunds are made to those leaving at the end of the term except that in the case of those leaving in the middle of the term because of illness one-half of the tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all \$5.00 is returned. No refund is made on a room payment if the room is re-rented to someone not then rooming in a residence hall.

Students with unpaid bills are not given honorable dismissal at graduation. Seniors must settle all college bills and Library fines by four p.m., of the fourth day preceding Commencement if they are to receive their diplomas with their class.

MEDICAL AND PHYSICAL CARE

Pomona College, in cooperation with Scripps and Claremont Colleges, engages the full-time services of a physician to care for students. Dr. Gilbert S. Coltrin, a graduate of Pomona College and of the University of Rochester Medical School, has held this position since 1940. Dr. Coltrin has had excellent training and experience, having served as Intern and later as Resident in Internal Medicine at the University of California Hospital, Fellowship in Urology at the Presbyterian Hospital in New York City, and Exchange Fellow in Physiology at the University of Kiel, Germany. He was an instructor for one year at the University of California Medical School, in addition to which he has done private practice.

The medical advice of the College Physician is ordinarily available, free of charge, to all students, subject to certain conditions of hours and location of residence. Minor ailments are treated at the Physician's office or at the Infirmary, used for cases requiring nursing and certain types of hospital care. All surgical operations and medicines are at the expense of the ill or injured as is medical service in chronic or prolonged illness or in case of accident, or an acute illness beyond ordinary first-aid emergency treatment.

The student is entitled to two days each semester at the College Infirmary without charge for room and meals if illness requires hospitalization. For additional days the charge is two dollars per day. *The College, however, reserves the right to discontinue individual medical service at any time, without previous notice.*

The College does not assume responsibility for the cost of medical care of all its students, but only in so far as its facilities will afford. Preventive medicine and campus health functions are stressed in the College medical program.

For curative treatment, students have ready access to the College Health Service and to the consultants among the local physicians of Claremont and Pomona. However, complete medical care is not financed by the College. The College nurse visits the residence halls each morning in order to see those students reporting illness.

When specialists, consultants and special nurses are required, such fees will be met by the student. In any illness the student is free to choose his own physician on a private fee basis.

Physical Attention

The physical care of students is a matter of special concern to the college. Supervision is given to athletics throughout the year. Every student on entering is given a physical examination under the direction of the College Physician. The medical certificate required of all applicants for admission includes a certificate of recent successful small-pox vaccination and a certificate of a satisfactory tuberculin test, or an x-ray of the chest. Any student, while in college, may be required to present at the end of the year a follow-up certificate of examination for tuberculosis. Regular work in physical education is prescribed throughout the year, and courses in Physiology and Hygiene are given.

Athletics. The direction and financial management of athletics is entrusted to the Director of Athletics, who has associated with him an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general direction there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed into athletic grounds admirably equipped and situated in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, the facilities of the Indian Hill Golf Club are available, and athletic games and field sports are encouraged.

A swimming pool, of the standard size for water polo, and equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona have the privileges of the pool at the former institution.

The College endeavors to safeguard students in the use of its athletic facilities, laboratories, athletic fields, and gymnasiums, and to this end the departments have established regulations concerning the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk.

PRIZES

The following prizes are offered for proficiency in the several departments:

Art

The Eugene C. Cramer Prizes: A first prize of \$15.00 and second prize of \$10.00 awarded for excellence in drawing and design in work presented for the annual exhibition. Given by Mrs. Eugene C. Cramer in memory of her husband, who was an artist.

Astronomy

The Moncrieff Astronomy Prize: A prize given to the student who completes the first year course in Astronomy, taken regularly in whose interest in the study and proficiency in the observational work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars is given by Miss Flossie C. Moncrieff, '11.

Biology

The Vaile Prize: A prize of twenty-five dollars to be awarded to an outstanding student in Botany or Zoology was endowed by the late Mr. Charles S. Vaile.

English

The F. S. Jennings Memorial Prizes: Three prizes for men and three prizes for women of fifty, forty and thirty dollars for excellence in English, are available in the fall and spring terms, to members of the Freshman class taking English. In the award of these prizes attention is given to the improvement shown by the student in improving the quality of his written and spoken English.

General

The Rena Gurley Archibald High Scholarship Prize: A prize of fifty dollars to be awarded to that member of the graduate class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Archibald W. Archibald, D.D.

Essay Contest on History of Pomona College: Prizes of \$25 and \$10 are offered by the Alumni Association for the best essays, submitted by freshmen, on some phase of the history of Pomona College. Exact topics from which to choose

and rules of the contest will be announced about October 1. Announcement of winners will be made at the Matriculation Convocation.

Government

Thorne-Rider International Relations Prize: A prize of \$50 awarded to a student in the Department of Government, taking the course in International Relations, who submits the best essay on a subject approved by the Department. This prize is given annually by Count and Countess Frederic Thorne-Rider.

Latin

Mudge Latin Prizes: Prizes for excellence in Latin. First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

Library

Eda May Haskell Library Prize: A prize of at least fifteen dollars in the form of a purchase order for books is offered for the best library submitted by a senior student, not necessarily for the largest or most expensive collection but for the most intelligently selected books in one or more fields of the student's interest.

Mathematics

Jewellyn Bixby Mathematics Prize: A prize of ten dollars for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15.

Music

Barbara Sanford Allen Prize: An annual competitive prize of fifty dollars to be awarded to a student in the department of music, above freshman rank. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

Thorne-Rider Music Prize: A prize of fifty dollars in applied music, awarded to the student most worthy of recognition, as determined by the faculty of the music department. This prize is given annually by Count and Countess Frederic Thorne-Rider.

Public Speaking

Finney Declamation Prizes: A prize declamation contest, open to members of the Freshman class, occurs early in the

spring term. First and second prizes of fifteen and ten dollars respectively, are endowed by Mrs. H. N. Kinney.

The Dole Debate Prizes: A prize debate for Lower Division is held near the close of the spring term. First and second prizes of thirty and twenty dollars, respectively, established by the late Mr. John H. Dole in memory of his brother, William B. Dole, are endowed by Mr. Arthur M. Dole.

The Kneeland Oratory Prizes: A prize oratorical contest open to Lower Division men of Pomona College and men of Southern California Junior Colleges of the Eastern Division is held during the spring term. First and second prizes of fifteen and ten dollars, respectively, are provided by Martin Dwellè Kneeland of Claremont. Dr. Kneeland also sponsors an oratorical contest for Pomona College women in which similar prizes are awarded.

The Stella King Prizes: The opportunity to compete for a first prize of seventy-five dollars and a second prize of fifty dollars for speeches of their own composition is offered to Upper Division men. The judges have the right to distribute prize money otherwise than in the sums indicated, or to withhold all awards if they feel warranted in so doing. These prizes were endowed by the late S. H. Wheeler, in memory of Miss Stella King.

Religion

The Hager Prizes: Prizes for the best essays on a foreign missionary subject, open to all students, were endowed by the late Mr. and Mrs. C. R. Hager. At present, first and second prizes of twenty and ten dollars respectively are offered.

SCHOLARSHIPS

General Scholarships in Pomona College are competitive and are awarded in three groups: (1) to entering Freshman students, (2) to Junior College transfers, and (3) to resident matriculated students. The general and respective terms of award are given in the following paragraphs.

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to award scholarships only to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in the college community.
- (3) Physical vigor as shown by interest in outdoor sports, or in other ways.

Before making application to the Committee on Scholarships, applicants who are not matriculated students in Pomona College must file application for admission to the College with the Committee on Admissions (fee \$3.50). In the case of freshmen it is usually expected that they will not have attended any other college or university. Exceptions to this rule require special consideration. Each applicant for a scholarship shall be endorsed by the head of the school from which he comes, and will be required to take competitive examinations. The examinations for freshmen and for Junior College transfers will be held on Saturday, February 12, 1944. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special examination, by examination or interview, which it may deem necessary to determine the candidate's fitness.

Scholarships for New Students

Freshmen

From the General Competitive Scholarships the following are available to candidates for admission to the Freshman Class in the 1944-45. Half of the stipend is available in the first term and in the second term of the freshman year.

Four Scholarships of Five Hundred Dollars each, applicable to institutional expenses, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Fifty Dollars each, open to both men and women; two from the Thomas J. Dow Fund and two from the Margaret Burton Harwood Memorial Fund.

Nine Scholarships of One Hundred Seventy-five Dollars open to both men and women. One of these is from the H. G. Brainerd and Fannie Howard Brainerd Memorial Fund.

Three Scholarships of One Hundred Seventy-five Dollars open to both men and women who may be nominated for same by the California Scholarship Federation.

Additional scholarships for Freshmen may be available through appropriations from the Alumni Fund.

Applications for above freshman scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships by January 16, 1944. The examinations will be held on Saturday, February 12.

Announcement of awards will be made on or before April 1, 1944.

Junior College Transfers

From the General Competitive Scholarships the following are available for candidates from Junior College, men or women. For the year 1944-45, half of the stipend being available in the first term and half in the second term of the Junior year.

Two Scholarships of Three Hundred Fifty Dollars each. One of these is from the Margaret Burton Harwood Memorial Fund. These scholarships are to be awarded under the auspices of the special departments, and the details of the competition will be announced later.

Four Scholarships of One Hundred Seventy-five Dollars each. One Scholarship of One Hundred Seventy-five Dollars available to a candidate who is recommended for the same by Alpha Gamma Sigma.

Applications for above advanced standing scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before January 16, 1944. The examinations will be held on Saturday, February 12.

Announcement of awards will be made on or before April 1, 1944.

Scholarships for Matriculated Students

Twenty-one awards of One Hundred Fifty Dollars each are available for matriculated students, men and women, in any year during the academic year 1943-44. Of these, fifteen are from

Phelps Stokes Scholarship Fund and three are from the Herbert Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the fall and ten for the spring term, either upon application to the committee or upon selection by the Committee from the whole number of those eligible. These scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships for the fall term should be made to the Committee by April 10, and for the spring term by November 1.

Additional scholarships for matriculated students may be available through appropriations from the Alumni Fund. A few of these may be available for the summer term, for which application should be made by April 10.

Special Scholarships

Delta Honor Scholarship Endowment of \$3,271.96. Given to members of Kappa Delta Fraternity. The income from this endowment is supplemented by individual pledges to provide a scholarship of \$250, administered under a special committee. Awarded to a man at the beginning of his senior year.

Phi Beta Kappa Scholarship. A scholarship of \$175 endowed by the Pomona Chapter of Phi Beta Kappa is awarded at the beginning of the spring term to a senior who has been in residence for three years at Pomona and who is selected for the high quality of his scholarship and his promise of future distinction. The award is open to both men and women.

Lora Sanborn Pitzer Memorial Scholarship. \$500 a year from The Sanborn Pitzer Foundation established by Russell L. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

Malcolm Eversole Memorial Fund provides a scholarship for full tuition for a man in the Junior Class to be nominated to the Scholarship Committee by the President of the College at the end of the nominee's second year in Pomona College. The selection will be based not on scholastic rank only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

DEPARTMENTAL SCHOLARSHIPS

Art

The Hannah Tempest Scholarship Fund of \$5,000. Income divided equally between a man and a woman studying in accordance with conditions laid down by the donor, Hannah Tempest Jenkins.

Military

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrollment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarships of \$100.00 per year. All necessary expenses in connection with the camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrollment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be given consideration in the selection of those to whom scholarships will be awarded.

Music

The Kate Condit Memorial Music Scholarship Fund, \$2,000.
Given by the late Mr. and Mrs. A. P. Condit.

Physics

The Richard P. Edmunds Memorial Fund provides a scholarship of full tuition for an upper division man student (preferably one who has attended during the first two years) nominated to the Scholarship Committee by the Professor of Physics at the close of the spring term for use the following year.

Fellowships for Graduating Seniors

The following awards may be made for 1944-45 if qualified.

ants appear. Applications should be in the hands of the Committee on Scholarships by January 15, 1944.

Should the student selected waive the emolument, the stipend is paid to the candidate next in rank, while the first student is designated Honorary Fellow for the year.

Under the *Henry Martyn Bracken Foundation* and the *Emily Bracken Foundation*, two or more fellowships may be awarded to seniors for graduate work in Claremont Colleges. In any year a graduating senior does not qualify for the award, the stipend may be given to an undergraduate student in any Claremont College.

Under the *William Lincoln Honnold Foundation*, a fellowship is awarded a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open normally only to students who have done all four years of work in Pomona College, who are rated in the top half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in America or abroad.

The prime purpose of the fellowship is to promote original and creative achievement in the candidate's chosen field of activity rather than merely to reward faithful classroom work. The selection will be based not on scholarship only but on the possession of personal qualities which indicate a high degree of promise and a student of outstanding character. The plans for graduate work are to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of the year, the Honnold Fellow is to make a report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been working, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship.

Other Awards

The Committee on Scholarships also nominates students of any Claremont College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhodes Scholarships should advise with the Committee on Scholarships.

Grants in Aid

The college desires that no student who is doing good should ever withdraw for purely financial reasons. To this the income of certain funds is supplemented by a budget appropriation to be used in helping to pay the tuition fees of students who are in need of financial assistance. Such aid is not given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in attendance upon college exercises, and who maintain at least a B grade in their scholastic work.

Aid may be withdrawn at any time from students who do not have conformed to the conditions.

Recipients of grants in aid may be asked to render service to the College in exchange for such assistance.

If a student who has received a grant in aid transfers to another institution before graduation the total sum granted by Pomona College may become a loan, repayable according to the terms applicable to regular student loans.

All applications for aid should be made to the chairman of the Committee on Student Aid, Sumner Hall.

Student Aid Funds

The income from the following funds is available for student aid:

The Francis Bancroft Memorial Fund	\$ 1,500
Given by Mrs. James T. Ford of Los Angeles in memory of her father.	
The L. H. Barrows Fund	2,500
The H. G. Billings Memorial Fund	1,000
The Florence G. Bixby Fund	5,000
The Sherlock Bristol Memorial Fund	400
The Bessie A. Brown Memorial Fund	550
Given by Mrs. Fannie E. Brown of Los Angeles.	
The Henry Herbert Brown Memorial Fund	1,000
Given by Mrs. Fannie E. Brown of Los Angeles in memory of her son.	
The Class of 1918 Fund	961
The Charles C. Cragin Memorial Fund	5,025
Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles C. Cragin.	

Student Aid

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he Agnes K. Crawford Memorial Fund.....	1,000
Given by David R. Crawford and William Crawford in memory of their mother.	
bell Club of Pomona Student Aid Fund.....	1,000
To help a woman student.	
he Elwood Fund.....	2,600
Given by Mary E. Elwood of Redlands, California.	
he Ford Fund.....	2,500
Given by Rev. James T. Ford of Los Angeles, California.	
he Margaret Fowler Fund.....	1,000
he Orren A. Gorton Fund.....	5,000
he Emma K. Guild Fund.....	44,337
he Manette Hand Memorial Fund.....	1,500
he Alfred James Harwood Memorial Fund.....	8,000
he Charles E. Harwood Fund.....	5,000
he Thomas F. Howard Memorial Scholarship Fund	3,500
Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.	
he Mary Marvin Janes Fund.....	679
he Helen Day Jewell Fund.....	1,000
he Henry L. Kuns Fund.....	2,000
he Jean Loomis Fund.....	2,000
he Howard J. Mills Memorial Fund.....	3,000
he Ontario Congregational Church Fund.....	186
Given by the Ontario Congregational Church towards the endowment of a fund.	
he Page Fund.....	5,000
Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at some time be used for other purposes.)	
he Arthur Warren Phelps Memorial Fund.....	2,000
Given by Mrs. C. S. Phelps and Mr. C. A. Phelps in memory of their son and brother.	
he Lydia Phelps Memorial Fund.....	4,000
he Pilgrim Church of Pomona Fund.....	1,897
Given by the Pilgrim Congregational Church of Pomona.	
he Pilgrim Church Women's Auxiliary Fund.....	500
Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.	

Student Aid

The John D. Potter Memorial Fund.....	2,000
Given by Mrs. S. T. Potter of Westboro, Massachusetts, in memory of her husband.	
The Anna H. Searing Fund.....	1,800
The Walter O. Shatto Memorial Fund.....	4,000
Given by Mrs. Clara R. Shatto in memory of her son.	
The Clyde H. Shields Memorial Fund.....	1,800
Given by R. P. Shields of San Diego in memory of his oldest son.	
The Lucia Glidden Strong Fund.....	911
The Sweet Memorial Fund.....	2,500
Given by Harlan P. Sweet in memory of his wife.	
The Maria T. Wardwell Fund.....	1,000
The Clara B. Waterman Memorial Fund.....	5,000
Given by Miss Rosa May Bennett of Los Angeles.	
The Henry S. West Fund.....	2,000

Special

The Crombie Allen Scholarship Fund of \$1,000, half of the income available annually to a graduate of Chaffey Union High School and half to a graduate of Chaffey Junior College of Ontario, California.

The Martha E. Berry Memorial Fund of \$6,000. For foreign students.

The Mabel S. Bridges Memorial Fund, \$3,500. Available for women.

The Alice Paul Harwood Scholarship Fund of \$5,000. Open to graduates of Chaffey Union High School of Ontario.

The Stella M. King Scholarship and Loan Fund for Women, \$10,000.

Two grants-in-aid, provided annually by Reverend M. D. Kneeland, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the fall term and \$50 for the spring term.

The Francis M. Price Fund of \$1,000. For children of missionaries.

Loan Funds

The college also administers loan funds by which it is possible to cooperate with the urgent need of students in making available to them, on an interest bearing basis, amounts sufficient to cover tuition fees. Loans from the following funds may be available:

The Ray Loan Fund.....	\$ 1,682.80
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Given by Mrs. E. F. Ray, to provide a means of meeting situations of temporary need.

The Lucy B. Jencks Memorial Fund.....	391.86
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Established by the Claremont Chapter of the D.A.R., available for a senior girl designated by the Dean of Women.

The Ethan Allen Chase and Augusta Field Chase Fund	6,422.66
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Available for men.

The David Clark Fund.....	1,136.43
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The Robert C. Denison Memorial Fund.....	486.68
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The George E. and Maude C. Baxter Fund.....	300.00
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The Bertha Lebus Fund.....	1,000.00
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General Loan Fund.....	62,834.54
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The Caroline Phelps Stokes Fund, endowed in the sum of \$25,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister, income from which is available for loans.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

Student Employment

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many are helping themselves by various forms of labor such as janitor work, waiting on tables, general house work and gardening.

Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

LIBRARY AND LECTURE FOUNDATIONS

At present the library contains 109,000 well selected volumes and 119,000 pamphlets. It receives subscriptions to 700 periodicals and maintains bound files of approximately 550, many of which are complete. Especially valuable are the periodical holdings in the field of natural science. The library is a depository for Government Documents and the publications of the Carnegie Institution. Since the outbreak of war it has been serving as a war information library.

The following special collections are a part of the general library: the Cook-Baker Biological Library and the Parish Book Library in Crookshank Hall; the Astronomical Library in F. P. Brackett Observatory; the James A. Lyman Memorial Library of Chemistry and the Geology Library in Mason Hall and the Mathematics and Physics Library in Pearsons Hall. Housed in the main building are the Mason California, the Verner North Pacific Libraries, and the Viola Minor Westergaard Carnegie Art Collections.

An experienced and efficient staff member is on duty to assist students at all hours which the library is open. Most of the books are on open shelves where students may consult them at all times. With the exception of reference books, periodicals, and rare volumes, books may be borrowed for two weeks. Certain books of great demand for class use are placed on reserve, subject to special circulation rules.

The library is open to the students and faculty of the Associated Colleges and to the residents of Claremont.

In addition to the facilities of Pomona College Library there are also available the libraries of Scripps College and of Claremont Colleges. The Scripps College Library of approximately 25,000 volumes is housed in the Ella Strong Denison Library. It contains in addition to its general collection the McPherson Collection of books about women, and the Stephenson Memorial Collection of American History. The library of Claremont Colleges, located in Harper Hall, contains approximately 43,000 volumes, including the Oriental Library and the George Burton Adams Collection of English History.

Lecture Foundations

The Joseph H. Johnson Foundation, liberally endowed by Miss Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions.

s. By this means such educators are annually in residence in nona College.

The Henry D. Porter Foundation, named in honor of the Rev. Henry D. Porter, for many years a missionary in China, comes to the institution annually, the extended stay of some prominent worker in the field of Christian Missions. The lecturer in this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the nation from which he has come.

The Clark Foundation, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture or series of lectures in the general field of religion.

GENERAL INFORMATION

Public Assemblies

It is the practice of the College to give opportunity for the consideration and expression of the common college interests.

On Thursday at 11 a.m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a.m. a brief devotional Chapel Service is held, attendance at which is voluntary. Special Vesper Music Services are offered on Sunday afternoons from time to time.

Music

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day, the College cooperates with Scripps College and Claremont Colleges in the introduction each year of a group of the most distinguished masters in the field of music. During the past season Richard Crooks, Rise Stevens, the Carmen Amaya Dance Ensemble, Zino Francescatti, the Los Angeles Philharmonic Orchestra, under the direction of John Barbirolli, were presented.

For the concerts thus afforded an annual ticket is furnished to every full-time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Symphonic Band, Symphony Orchestra, the Chorus, the Men's and Women's Glee Clubs and chamber music groups afford opportunity for the study and public performance of the finest in ensemble music.

Campus Organizations

The Associated Students. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing group composed of class presidents and chairmen of other organizations representing various activities of campus interest.

Associated Men Students and Associated Women Students } These organizations consist of and promote the special interests of the men and women respectively.

Student-Faculty Council. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for further consideration and action.

Class Organizations. Each of the four college classes is organized for the purpose of promoting class social life.

Phi Beta Kappa. The Pomona Chapter of Phi Beta Kappa is part of the Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

Honor Societies. Ghosts; Mortar Board; Gamma Chapter Alpha Kappa Delta, Sociology Fraternity.

Departmental Organizations. Women's Athletic Association, El Circulo Espanol, Le Cercle Français.

Musical Organizations. Men's Glee Club; Women's Glee Club; Music Club; Symphony Orchestra, Symphonic Band, Chamber Music Groups.

Religious Organizations. The Religious Council which composes Student-Faculty committees on religious activities.

Miscellaneous Organizations. Masquers and Thespians, in Dramatics; Orchesis, in Dancing; Verse Choir; Camera Club; Ski Club.

Local Social Fraternities. Alpha Gamma Sigma; Kappa Delta; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Tau.

Publications

The stated publications of the College are issued as numbers of the Pomona College Bulletin, which is published monthly (except July and August). These include: The Annual Catalog, The Report of the President, The News Letter for Alumni.

The Journal of Entomology and Zoology is published under the auspices of the Department of Zoology.

Student Publications

The Student Life is published twice a week by the student body and is devoted to campus affairs.

The Metate is the yearbook published by the Associated Students.

The Sagehen, a magazine of humor, appears three times a year.

The Hand Book, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

SUPERVISION OF CONDUCT

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments.

In the government of the College, the largest liberty consistent with good work and orderly conduct is allowed. Students are expected to show both within and without the College such respect for order, morality, personal honor, and the rights of others as good citizenship demands. Failure to do so will be sufficient cause for removal from the College.

Any student who for any reason, in the judgment of the faculty or of its proper committees, is felt not to be a desirable member of the student body, may be dismissed without special charges.

The use or possession of alcoholic liquors of any kind whatsoever on the campus is prohibited by the College, and the on-campus use of such may subject the student to the application of the foregoing paragraphs.

The Committee on College Life exercises the authority of the College over all students individually with respect to personal conduct, and over student organizations which bear the name of the College, or which represent the College in any way.

Individual or collective student enterprises which involve the absence of the participants from the College, while using the College name, must receive the official sanction of the Committee on College Life.

Absence from Campus

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college values are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

Automobiles

Rules governing the use of automobiles are formulated and administered by the College Life Committee. Students maintaining cars in Claremont are subject to the following regulations:

Student drivers must at all times, both on and off the campus, exercise particular care and consideration for the safety of themselves and others.

Student drivers must acquaint themselves with the state and local traffic laws and comply with their observance.

Students driving cars in Claremont are required to carry public liability insurance in the amount of ten and twenty thousand dollars in approved companies. Evidence that the owner of the car holds such an insurance policy extending beyond the end of the college year, together with the license number of the car, must be deposited with the office of the Dean of Students at time of registration or within three days after the car is driven in Claremont.

Failure to comply with the above regulations shall constitute an offense against the College, the penalty for which may include suspension and storage of the car at the student's risk and expense for a period not beyond the end of the term in which the offense occurs.

DEGREE REQUIREMENTS

Pomona College awards but one academic degree, that of Bachelor of Arts, which may be attained either in ordinary or in honors. The special procedure in honors study is given on page 63. The following requirements apply to all students.

Unit Requirements

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation or lecture period, or one laboratory period a week for one term. One recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in eight terms one must take an average of fifteen units of academic work throughout.

Grade Point Requirements

In order to graduate, a student must not only earn a certain number of units, but also attain an average of at least C grade in the units for which he has registered, or twice as many grade points as units.

Grades and grade points are as follows:

A (excellent)	= 4 grade points per unit.
B (very good)	= 3 grade points per unit.
C (average)	= 2 grade points per unit.
D (passing)	= 1 grade point per unit.
F (failure)	= 0 grade points per unit. May be made up to a D.
FF (failure)	= 0 grade points per unit. May not be made up except by repeating course.
I (incomplete)	
W (withdrawn with permission)	

All F, FF, and I grades reported by instructors must be accompanied by a specific statement in writing of the cause for failure, and detailed statement in case of the F or I grade of work necessary for its removal. A copy of this statement is given to the student. Except in certain year courses in which, if the instructor so recommends, the deficiency may be removed by successful completion of the work of the following term, all conditions for removing I and F grades must be met within six weeks of the beginning of classes of the following term. A grade made up thus may not be raised above a D grade. A grade not so made up remains permanently upon the record as a failure. A FF grade can be made up only by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated when next offered. A student may not continue with work in which he has received FF. The making up of work which has received the F or FF grade does not expunge the grade from the record. It does permit credit and "grade points" for the course.

The I mark given where illness on the part of a student justifies the granting of additional time for the completion of work may be changed to whatever grade the student earns. Instructors wishing to give an I grade for other justifiable cause than illness must first receive permission to do so from the Classification Committee.

The mark W is used where a student has withdrawn from a course in accordance with provision on page 60.

Requirements for Graduation

Units: A total of 126 units of C average including six uni

al Education Activities, four of which must be taken the
vo years and two in the last two years of the course.

Distribution: Work in two departments of each of the three
ing divisions:

I	II	III
English	Astronomy	Economics
Chinese	Biology	Education
French	Botany	Government
German	Chemistry	History
Greek	Geology	Oriental Affairs
Italian	Mathematics	Physical Education
Latin	Physics	Religion
Music	Military Science	Sociology
Philosophy	Psychology	
Public Address	Zoology	
Spanish		

At the end of the Junior year, a student must have completed
his work of not less than four units in each of two depart-
ments in each of the three divisions (six departments in all).

Not more than a total of 52 units in any one department may
be counted for graduation.

Per Division Work: 36 units of work in courses numbered
100, of which at least 12 must be in one department.

Constitution: Prior to graduation, all students are required by
laws of the State of California to complete a course and pass
examination on the Constitution of the United States. The
courses meeting this requirement are: Government 2a, 153, 154,
History 55a. Those students who have not completed the
constitution requirement for graduation by the opening day of
senior year must register for a course meeting this requirement
during the first term of senior year, save as exceptions may be
made by action of the Classification Committee.

Graduation Fee: Every student expecting to graduate at the end
of a given term must so indicate on his registration card for that
term and must include the graduation fee with the payment of his
other fees at the time of such registration. Failure to indicate such
intention or thus to pay the graduation fee will automatically
exclude the student from graduation that term.

ACADEMIC REGULATIONS

Amount of work: The College regulates the amount of work
a student may carry as follows:

The normal registration is 16 units of academic work and 2 units of Physical Education. In addition a student may elect for 1 unit of Military Drill and two of the following: Band, Choir or Orchestra.

To register for 17 units of academic work, a student must have earned 32 more grade points than the total number of units for which he registered the previous term; to register for 18 units, 48 more grade points.

To register for less than 12 units of academic work requires special permission.

Quality of work: A student is expected to secure each unit of credit twice as many grade points as the total number of units for which he registers.

Near the end of the first five weeks and near the middle of each term a report is made of all students doing failing or unsatisfactory work for the period preceding the date of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and deans receive such reports and take such steps as are advisable in each individual case.

At the end of each term a complete report is made on each student. This report becomes part of the student's record and indicates his standing in the courses for which he has been registered.

Whenever the quality of a student's work declines to such an extent that his graduation in due course seems improbable, he is notified and his parents are so informed. The college may at any time require the withdrawal of a student if the quality of his work seems to warrant such action. Decision in every such case is reached by the joint action of the College Life and Classification Committee in consultation with the student's adviser.

Dismissal from Courses: A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either F or W for the course and an annotation reporting the fact of having been dropped, shall be turned in to the Recorder's Office.

Class Attendance: Students are expected to maintain regular attendance at all class appointments in the courses for which they are registered.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

Final Examinations: Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty.

The schedule of final examinations is prepared by the Courses of Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee and on the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Committee.

Field Trips: Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is secured by instructors from the Courses of Study Committee at the beginning of each term. Instructors certify to the Recorder's Office the names of students participating in these trips.

Pre-Registration and Registration

Pre-registration is conducted on appointed days shortly after publication of the catalog in the spring when all students must submit a schedule listing their choice of subjects for the following term. The fee for any change in this pre-registration is one dollar. Pre-registration and registration of new students are conducted on appointed days at the opening of each term.

Registration is completed by the payment of tuition and fees on appointed days at the beginning of each term.

The fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

Students are admitted to those courses only for which they are fully registered.

Students are not received later than two weeks from the beginning of class work.

Changes in Registration

Upon application to the Recorder's Office and with the approval of his adviser and the instructor concerned, a student wishing to modify his schedule of studies by addition or substitution

of courses may do so within two weeks of the beginning of work. All students except those registering for the first time required to pay a change fee of one dollar. No change of registration is completed until written authorization to that effect has been sent from the Recorder's Office to the instructor.

A student may withdraw from a course within six weeks following the beginning of class work by following the procedure prescribed by the Recorder's Office. Thereafter, the dropping of a course by a student shall entail for him a grade of FF for that course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a different grade.

Matriculation

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the standing of all students is provisional until after they have been in residence for one term. At that time those new students are matriculated who have shown themselves in accord with the spirit of the College and who have made at least a C average on all work attempted during their term of residence. A public matriculation ceremony is held early in the spring term.

Students failing to matriculate at the end of their first term of residence may be matriculated at the end of any subsequent term provided they have met all the above requirements including a C average on all work attempted during their whole period of residence.

Students are not candidates for a degree until they have matriculated.

The Faculty Regulation on English

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Faculty members are expected to report to the Faculty Committee on English the students whose use of English is unsatisfactory. On the recommendation of this Committee, a student whose English is persistently unacceptable may be required to withdraw from the College at the end of any term by the joint action of the College Life and Classification Committees. Habitual and flagrant misspelling is considered a deficiency in English to which this regulation applies.

CURRICULUM

Monona College believes in a broad training as the best preparation for life. It feels that students should have a knowledge of subjects in the humanities, the sciences, and the social sciences. For this reason the college prescribes no narrow course and encourages its students to select work in a number of fields. University regulations require a wide distribution between departments in the student's first two years.

Juniors and seniors may elect to continue with a general course or choose a major in a department or a division. Information on departmental majors will be found with the course announcements of each department. Honors work in a division or a department is available for juniors and seniors of superior ability who wish to pursue independent study.

Faculty Advisers

Each new student is assigned to a faculty adviser, with whom he works during his first year in college. At the end of that time the student and the adviser, in the light of the student's interest, select a faculty member with whom the student will work during the remainder of his college course. If at any later time a change is deemed wise it is made through the Personnel Committee.

Concentration in Special Fields

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

Preparation: There must be sufficient basic work (courses numbered 1 to 99) in the special field and in allied fields to ensure adequate preparation for carrying successfully the advanced work.

Concentration Requirement: Not less than eighteen hours of work in courses numbered over 100 in the field of concentration; six of these eighteen hours must be in courses numbered over 150 and six of them must be taken during the Senior year.

Foreign Languages: For advanced work in most fields a working knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of two is desirable. It is to the advantage of the student to acquire a working knowledge before entering college.

4. Comprehensive Examination: In most fields the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration is made.

Graduate Work in Claremont Colleges

Graduate work in literature, in the social sciences, in biological and physical sciences, in philosophy, psychology, religion, and in the fine arts and music, along with professional work in public school education and in psychology is conducted by Claremont Colleges using the combined staffs of Scripps College and Pomona College as well as its own appointees. This work is usually characterized by an informal mode of instruction possible only in an institution where the standards are high and the number of students is limited. A catalog of graduate services will be furnished upon request to the Director of Studies, Claremont Colleges, Claremont, California.

Three Year Program of Upper Division and Graduate Work

To enable Junior College graduates and others who enter with advanced standing to continue their education on the basis of a three-year program leading to the Master's degree as well as the Bachelor's degree, Pomona College and Claremont Colleges have planned their offerings so that the closest articulation of undergraduate and graduate study is possible.

HONORS STUDY

Students who show the capacity and the inclination for more average intellectual achievement may be permitted to study the bachelor's degree *with honors*. Honors study is aimed at deeper and more scholarly grasp of one's chosen field than is ordinary; it is also aimed at broadening one's intellectual life through discovery and exploration of fields relevant to the special field of inquiry. Although honors students are not expected to possess all knowledge for their province, they are urged to gain, by way of a mature and thorough approach to their studies, a form of intellectual discipline which will be valuable in later life.

To this end, students are encouraged to master a particular (or) field—not necessarily co-extensive with the subject-matter of the department—and inter-relate with that subject an understanding of one or two minor fields. An honors program thus presents a significant pattern of integrated study in two or three different fields in the curriculum; it frees the student's energies by giving him, through a more flexible use of instruction and methods of study than is usual, to spend a considerable portion of his time in independent study. Released from as much academic pressure as his instructors may approve, an honors candidate thus assumes responsibility for a profounder and wider knowledge than is expected of the ordinary student. He will be admitted to honors status only upon the basis of a record which shows promise of competency to carry on work of high quality; he will be continued only if he exercise initiative and self-direction, place scholarship consistently first among his interests, and maintain a high standard of scholarship in his honors program as well as in his ordinary work. Successful demonstration of such achievement is asked for in written and oral examinations taken at the end of the candidate's Senior year.

Conduct of Honors Programs

The general administration of honors work is vested in the Committee on Honors. The major and minor fields of candidates for honors may lie (a) within one of the three Divisions of the curriculum—the Humanities, the Natural Sciences, or the Social Sciences. Each of these Divisions supervises the programs and study of candidates working within it. The Division lays down the rules as to seminars, research projects or thesis, as they

may be indicated, or reviews the regulations of the department within the Division in this regard. In certain cases, however, fields of interest of a prospective candidate may lie (b) in departments not included in the same Division. Such a student may apply to the Committee on Honors for admission to carry out with an inter-divisional program. If his choice of fields and proposed course of study be intellectually sound, his program may be approved by the Committee on Honors and carried out under the direct supervision.

Considerable freedom is allowed in the definition of field. A candidate may adopt a relatively broad approach, surveying the whole scope of the subjects comprised in his major and minor interests with appropriately intensive work in some part or parts of them, the whole managed in such a way as will insure depth as well as breadth of knowledge. Or, on the other hand, he may limit his field (s), so as to concern himself primarily with a relatively more narrow period or aspect of his allied subjects. In the very essence of honors work is the promotion of independent scholarly endeavor of high quality, the specific definition of which will generally be determined by cooperative discussion between the student and the Division, or the Committee on Honors, as may be appropriate.

Application for Honors

Normally at the end of the Sophomore year (but not earlier than the beginning of Senior year) a student may apply for candidacy for the degree with honors. The application form, obtainable from the Recorder or the Secretary of the Committee on Honors, should set forth a program of honors work formulated with the approval of the faculty member (s) with whom the candidate plans to study. If the past academic record of the candidate is of high quality, and if his program meets the requirements of the Division involved (or of the Committee on Honors in carrying out inter-divisional programs), the application may be accepted by the Division and then by the Committee on Honors. An adviser (or advisers), under whose immediate guidance the student will carry forward his honors work, will be appointed by the Division and the Committee on Honors. Individual requirements in courses pursued outside the honors scheme are set by the instructor concerned. Copies of the program of a candidate for honors should be filed with his adviser (s), with the secretary of the Division.

and with the Committee on Honors. The candidate's plan must be approved each semester by his adviser and by a member of the Committee on Honors. He is expected to give a considerable portion of his time to independent study; throughout his Senior year, a candidate must devote at least one-third of his program of studies to honors work or its equivalent. An honors student will not, therefore, be permitted to vitiate the plan by carrying a full course-load in addition to his plan of independent study, nor will he be allowed to use the plan merely as a device for accumulating credits or hours toward graduation.

Withdrawal from Honors

A candidate for the degree with honors may withdraw from the plan at his own request with the approval of the Division concerned and the Committee on Honors. In case the performance of a candidate falls below a standard of high quality either in his honors work or in his courses, he may be withdrawn from the plan by the Committee on Honors. If, for any reason, a candidate leaves the honors status, the Division concerned shall refer to the Committee on Honors the credit and grade to which the candidate is entitled for work done under its supervision.

Honors Examinations

The success of the candidate in his honors work is measured by written and oral examinations administered toward the close of Senior year. Each Division assembles questions from participating departments to form the various parts of the divisional examination; it determines, in cooperation with the Committee on Honors, the dates for such written examinations and conducts them. The candidate writes on such parts of the divisional examinations as relate to his program of honors work. In the case of inter-divisional programs, the candidate writes on parts of the various Divisional examinations as may be appropriate.

In addition to the written comprehensive examinations, the candidate for honors will take an oral examination, the purpose of which is to supplement the examinations previously taken. In each case the candidate is responsible for the entire scope of his honors work. Each oral examination is administered by a board set up jointly by the Division concerned and the Committee on

Honors. This board of examiners, which consists of at least members drawn from the fields in which the candidate has major or minor work, shall also include the candidate's advisor. The Committee on Honors shall delegate one of its own members to act as chairman of each oral examination. It may also, on nomination from the appropriate Division, appoint a suitable "outside" examiner not on the Faculty of Pomona College.

A candidate taking courses outside his honors program, however, subject to the ordinary requirements with regard to examinations in such courses. He may be exempted at the discretion of the instructors concerned from taking course-examinations included in the fields of his honors program.

The Degree with Honors

After having received the reports of the examiners, the advisor's comments, and other relevant evidence, the Division concerned (or, in the case of inter-divisional candidates, the Committee on Honors), assesses the candidate's performance and recommends to the Committee on Honors the academic grade and credit to which the candidate is entitled for his honors work, and the degree with honors which, in its judgment, he merits. After considering the evidence presented, the Committee on Honors certifies to the Recorder the academic grade and credit which the candidate has earned, and recommends to the Faculty that he be awarded a bachelor's degree *with honors, high honors, or highest honors*, if such may be appropriate. Such honors, when voted by the Faculty, are announced in the Commencement program and recorded on the graduate's diploma.

A student who does not merit honors but whose credit warrants graduation, will be recommended by the Committee on Honors for graduation in course (*rite*).

DIVISION I

Honors Study in the Division of the Humanities

Division I there are available two types of Honors programs qualified students whose special fields of interest lie in this division:

Departmental honors, intended for students whose interests lie in one department. Most departments are prepared to support their course offerings by special work, suited to the varied needs of individual students. Interested students should consult instructors in their departments for assistance in working out an acceptable program which will meet their particular needs. *Divisional honors*, intended to allow students an opportunity for more mature, independent and concentrated work than is available in ordinary courses; but at the same time to avoid the restricted specialization of departmental honors. To this end a number of special offerings in Honors have been arranged so that students may secure a balanced and integrated introduction to the whole field of the Humanities. Students interested in divisional honors should consult a member of the faculty teaching in Division I for information about the honors programs.

DIVISION II

Honors Study in the Natural Sciences and Mathematics

Honors work is available in the individual departments in this division, and the departments should be consulted by interested students.

DIVISION III

Honors Study in the Social Sciences

*Concentration in field:*¹ The student working for honors in the social sciences will undertake integrated sequences of study in two departments, one of which shall be his major and the other his minor field of concentration. In each department he will complete the basic course.² In his field of minor concentration he will, in addition, complete an advanced course or courses involving six or more hours of credit and including a reading course designed to bring about an integration of his major and minor fields. He will

¹ Departmental concentration, or major, is offered in any one social science. ² Economics 51, Government 2, History 1, Religion 5 and 6 or 103, Sociology 51.

maintain a "B" average in the social sciences, will complete 100 hours in courses numbered over 100 in the field, of which at least 12 must be in courses numbered over 150, and will complete courses 191 and 192 in the department of major concentration.

Foreign Language: Usually by the beginning of the Senior year but not later than the middle of his Senior year, the student is required to file with his Adviser a written certificate of ability to read French or German, issued by a member of the faculty designated to examine in those languages.

Comprehensive Examinations: The work of a candidate for the Honors degree terminates in written and oral comprehensive examinations, administered by the social science faculty. The written examination consists of two parts: (1) one designed to test his knowledge of his field of minor concentration, and (2) one intended to test his mastery of the field of his major concentration. The passing grade of both parts of this examination will exempt the student from the final examinations in social sciences at the end of his Senior year. In his oral examination the student is examined by representatives of the departments of his major and minor fields of concentration.

COURSES OF INSTRUCTION

Elementary courses numbered below 50 are given in the freshman or sophomore year. Courses numbered 50 to 99 are either which follow the course of the previous year, or are the advanced beginning courses. Courses numbered over 100 are for Juniors and Seniors and may not be entered by students without previous work in the same field.

When course numbers are connected by a hyphen they cover a common subject and the entire sequence should be taken.

When course numbers are connected by a comma, independent credit is given for the work of the first term. Entrance to the second term is by permission of the instructor.

A course may be withdrawn if the enrollment is less than five. Except by special permission, credit for only one unit of work in a course is not allowed.

Most courses are three units each unless otherwise designated.

Courses in Scripps College

Following the departmental offerings of Pomona College are certain courses in Scripps College open to Pomona Juniors and Seniors under approved conditions. Each regular student in Pomona College shall, however, select not less than six units in this registration each academic year from courses in Pomona College.

Art

Students wishing to concentrate in Art as their major subject the B.A. degree may elect courses in Design, Drawing, Painting, Sculpture and pre-Architecture. A theoretical knowledge of these fields is desirable and practical work should be taken of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization. The student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year the student taking Honors in Art will have a separate exhibition of his work of that year.

For each unit of credit in Art, except in courses 51 and 52, there is required a minimum of one hour of assigned reading and two hours of studio work per week. Students are urged to plan these periods when other work permits.

The total number of hours of Applied Art accepted toward graduation is 16, so distributed as not to exceed 8 hours in courses numbered under 100. In courses where lecture and laboratory are combined, the work is counted half theory and half applied.

Special fees for work in applied art are as follows: courses numbered 9, 65, 107, 162, \$12.50 per unit. All other courses, \$5.00 per unit.

3a, 3b. Design and Drawing. Mr.

The study of order in the graphic arts. The appreciation of form and its expression in pencil and charcoal. In the second semester an understanding of color and its use in composition, 2 units. TTh, 1:15 to 3:05.

9a-9b. Sculpture. Mr. J.

A general foundation in Sculpture, comprising a study of models from casts and work from nature forms. 2 units. TTh, 1:15 to 3:05. WF, 3:15 to 5:05.

51a-51b. History of Art. Mr.

Study of the historical development of art with especial attention to national genius and expression. The Classic, Early Christian, Byzantine and Medieval Periods will be studied in the fall term and Renaissance, Baroque, Neo-Classic, Romantic, Realist and Contemporary Art in the spring term. MWF, 9.

61a, 61b. Figure Drawing and Graphic Design. Mr.

The rendering of form, particularly the head, in charcoal, graph crayon and water color. This is related in the second term to industrial, commercial or fine art problems according to individual preference. 2 units. TTh, 1:15 to 3:05.

103b. Advanced Sculpture. Mr. Jurecka
Problems in applied ornament. Portrait study from cast and living
model. Studio methods; casting and armatures. 2 units. TTh,
1:15 to 5:05.

103b. Life Drawing. Mr. Beggs
Anatomical function and the construction of the human form.
Prerequisite 61 or equivalent. 2 units. (Omitted in 1943-44).

105b. Advanced Figure Drawing and Graphic Design Mr. Beggs
2 units. TTh, 1:15 to 3:05.

107b. Sculpture from Life. Mr. Jurecka
Modeling from life. Figure, portrait in the relief and in the round.
Laboratory and related work. 2 units. WF, 1:15 to 3:05.

112b. Renaissance and Baroque Art Mr. Baumann
Following an analysis of the basic differences between Renaissance
and Baroque in Italy and Western Europe, attention is paid to
typical characteristics and the influences bearing upon them as well
as to the particular achievements of great artists from the 15th to
the 18th century. 2 units. MW, 11.

120b. Painting. Mr. Beggs
Practice in Still-life and Landscape is adapted to a study of the
techniques of various historic schools of oil painting. These are
explained by means of a system of set palettes which afford an
understanding of painting principles and an opportunity for the de-
velopment of individuality of manner. 2 units. TTh, 3:15 to 5:05.

126b. Advanced Sculpture from Life. Mr. Jurecka
Advanced composition in both relief and the round. Development
of original conceptions. Study of color effects in sculpture. Labor-
atory and related work. 2 units. M 1:15 to 5:05.

185b. Problems in Applied Art. Mr. Beggs
Opportunity is given for the pursuit of individual projects in the
graphic arts to suit the interest and ability of the student. 1 to 3
units. WF, 3:15 to 5:05.

Available at Scripps College

Advanced Painting.
One or two year course. TTh, 1:15-4:10 and Arranged.

Textile Design. Mrs. Gleason
One or two year course. MWF, 1:15-4:10.

II-23. Ceramics.

Mr. M

One or two year course. MWF, 1:15-4:10.

II-25. Costume Design.

Mrs. C

Given if sufficient demand.

II-30. Sculpture.

Mr. S

Year course. Prerequisite: Art 3a-b and 9a-b, or Art 9a-65a-b. TTh, 1:15-4:10 and Arranged.

II-40. The Historic Periods of Art and Architecture.

Year course. TThS, 8.

II-41. Architectural Design.

One or two year course. MWF, 1:15-4:10.

Graduate work in the history of art and architecture and in art is available under the auspices of Claremont Colleges.

Astronomy

The general prerequisites for upper division courses or for certification in the department are Astronomy 51, its equivalent or satisfactory preparation in physical science.

51a-51b. An Introduction to Astronomy.

Mr. W

Presents the general facts of historical and modern astronomy in non-technical form suited to students with a minimum of scientific preparation. An acquaintance with the starry heavens is secured and an appreciation of man's relation to the surrounding universe. Regular evenings with the telescopes at the Brackett Observatory on alternate weeks and in smaller groups, are supplemented by project assignments and field excursions. Classroom two hours per week; observatory, etc., one period per week. Laboratory fee \$3.00 per term. MWF, 11.

101. Meteorology.

Mr. W

An introduction to the basic principles of the science including practice in the operation and maintenance of the weather bureau instruments at the observatory; studies of cloud formations and the general principles of weather analysis and forecasting. Permission of instructor necessary. Laboratory fee \$3. 2 units. Fall Class W and F, 1:15.

103. Navigation.

Mr. W

Deals with practical problems in the astronomy of position.

rations with transit and sextant are applied to the determination of time, latitude, and longitude in a study of the theory and practice of marine and aerial navigation. Classroom and laboratory 3 units. Each term. Permission of instructor necessary. Laboratory fee \$3.00. Class, TTh, 1:15. Laboratory arranged.

Celestial Mechanics.*

Mr. Whitney

short course in the application of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems on prediction of eclipses and occultations and on the computation of the orbits of comets. 3 units. Term and time arranged.

Astrophysics.*

Mr. Whitney

considers the applications of the principles of modern physics and astronomy to a study of stellar and cosmic problems and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations are both visual and photographic. Classroom one hour; observatory two periods. Laboratory fee, \$3.00 per term. 3 units. Term and time arranged.

Investigations in Astronomy.

Mr. Whitney

unified program of investigation is followed in some particular fields such as variable stars, lunar studies, solar phenomena, etc. Each term, 1 to 4 units. May be repeated for credit. Laboratory fee \$2 per unit per term. May also be elected for advanced study of the theory and practice of celestial navigation. Prerequisite: Calculus or equivalent. Arranged.

and 156 are offered for majors in the department or students with advanced preparation in mathematics and physics. They will not be given currently but term and time will be arranged in accordance with demand.

graduate work in Astrophysics, Celestial Mechanics, or Navigation is available under the auspices of Claremont Colleges.

Biology

A student emphasizing biological science is ordinarily expected to take Biology 1, followed by an integrated program in either Botany or Zoology or both. A reading knowledge of German and some training in the physical sciences are also expected, according to the needs of the individual.

1a-1b. General Biology

A general course either for those who intend to take further in biology or for those who wish but one year. It may be for credit by those who have high school biology, botany, or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the project method will be fitted to the preparations, needs, and interests of individuals or groups. Laboratory fee, \$6.00 each term. Class M and V, F, 11; laboratory, field trip, or demonstration M,T,W,Th 1:15-4:10.

105. Bacteriology.

Mr. Peque

General study of important bacteria, methods of culture and their importance in disease and agriculture. Prerequisite: one year of biological work. Laboratory fee, \$8.00. Breakage \$5.00. Spring term. 4 units. Class, arranged; laboratory, 1:15-4:10.

107. Genetics.

Mr. M

A non-laboratory course covering modern developments in the study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems, and discussions. Prerequisite: one year of biological work. Fall term, MWF, 8.

108. Bionomics.

Mr. H

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to those who have had a year of biological work. May be taken with zoology 161 for three hours. Spring term. 2 units. MW, 8.

The scientific collections and library available at Claremont as well as the geographic location, make desirable certain types of work for the master's degree, particularly in Entomology, Zoology, certain phases of marine and desert Ecology, Anatomy, Plant Morphology, Algae, and Plant Taxonomy.

Botany

5. Field Botany.

Mr. M

An elementary non-technical course in local flora, with much field work. No prerequisite. Laboratory fee, \$3.00. Spring term, 2 units. Class, S, 8; laboratory, F, 1:15-4:10. (Omitted in 1943)

2b. General Botany.

Mr. Munz

1 elementary course for those wishing general information concerning plants and their importance to men, as well as foundation work in botany. Special attention will be paid to the plant as a living organism, to field work on ornamentals and natives, and to survey of the plant kingdom. No prerequisite. Laboratory fee, \$1.00 each term. Class, TTh, 10; laboratory, T, 1:15-4:10.

History and Uses of Plants.

Mr. Muntz

the general nature of the plant, uses of its parts and products, such as spices, fibers, seeds, fruits, wood, latex, etc., with some reference to parts of world and to plant families that have contributed most to economic botany. No prerequisite nor laboratory. 4 units. Fall term. MF, 3:15.

Plant Physiology.

Mr. Munz

study of physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching of biology, and for many majors. Prerequisite: Botany 52. Laboratory fee, \$8.00. Leakage deposit, \$5.00. Fall term. Class arranged; laboratory, T, 1:15-4:10. (Omitted in 1943-44).

155b. Taxonomy.

Mr. Munz

study of our local flora and more common cultivated ornamentals. Principles and methods of classification and taxonomic work. Much field work with trips for study of plants in their native conditions. Prerequisite: Botany 52. Laboratory fee \$7.00 each term. Alternates with 157. Fall term. Class arranged; laboratory, W 1:15-4:10. Spring term, class, arranged; laboratory, MW, 1:15-4:10.

Comparative Morphology of Green Plants

Mr. Munz

the anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories, evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Botany 52. Laboratory fee, \$7.00. Spring term. 4 units. Alternates with 155. Class arranged; laboratory, MW, 1:15-4:10. (Omitted in 1943-44).

Botanical Problems.

Mr. Munz

special work, largely individual, and primarily for majors in the department. Each term. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. Laboratory fee, \$1.00 per unit of credit. Arranged.

Zoology

6. Field Zoology.

Mr. Pequ

An elementary non-technical course in natural history of vertebrates. Largely field work, dealing with recognition of common forms, life histories, food habits and ecological factors in distribution. No prerequisite. Laboratory fee, \$3.00. Spring term. 2 units. Class T, 9. Laboratory, Th. 1:15-4:10.

51. Human Anatomy.

Mr. Pequ

A course designed to meet the requirements of majors in physical education. If possible should be taken in conjunction with Zoology 53a. Prerequisite: Biology 1. Laboratory fee \$6. Fall term. 2 units. Class M, 8; laboratory, MW, 1:15-4:10.

53a-53b. Physiology.

Mr. Pequ

A general survey of the functions of organ systems and integration in the organism as a whole. Although some consideration is given to lower animals, particular attention is focused on the human subject. Designed to fulfill the requirement of students in physical education and pre-nursing curricula, and to increase the scope of majors in the department. Prerequisite: Biology 1. Elementary chemistry preferred. Fall term. 2 units, class W, 8; laboratory, 1:15-4:10. Spring term, 3 units, class WF, 8; laboratory, 1:15-4:10. Laboratory fee, \$6.00. Breakage deposit, \$5.00.

54. General Zoology.

Mr. H

An outline of the animal kingdom, vertebrates and invertebrates, structure and classification. Prerequisite Biology 1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the department. Laboratory fee, \$8.00. Fall term. 4 units. Class TTh 8; laboratory, TTh 1:15-4:10.

114. Human Biology.

Mr. H

Man as an adaptive organism; a study of some of his most characteristic structures and functions; a consideration of his nervous system, sense organs, and face, as well as other adaptive and instinctive biological mechanisms with something of their origin and function. Prerequisite: a year of biological work. Without laboratory. Fall term. 2 or 3 units. Laboratory fee, \$5.00. Class, MW, 9; laboratory arranged.

115. Comparative Anatomy.

Mr. Pequ

A study of the structure of vertebrates. Prerequisite: Zoology 54 or equivalent. Laboratory fee, \$8.00. Fall term. 4 units. Class TTh, 8; laboratory, TTh, 1:15-4:10.

Embryology. Mr. Hilton
study of early development and the formation of organs, with special reference to vertebrates. Prerequisite: Zoology 54. Laboratory fee, \$8.00. Spring term. 4 units. Class, TTh, 8; laboratory, 1:15-4:10 and three hours to be arranged.

Entomology. Mr. Hilton
general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Zoology 54. Laboratory fee, \$6.00. Spring term. 3 units. Class, T, 10. Laboratory arranged.

Systematic Vertebrate Zoology. Mr. Pequegnat
consideration of problems involved in systematic vertebrate zoology such as life histories, distribution, migration, general habits, groups local as well as more general types. Including class work as well as laboratory and field work. One class, two laboratory periods. Prerequisites: Field Zoology or General Zoology. Laboratory fee, \$6.00. Fall term. (Omitted in 1943-44).

Histology. Mr. Hilton
the microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology 53 or 54. Laboratory fee, \$8.00. Fall term. Class, T, 10. Laboratory by appointment. One class, two laboratory periods.

Zoological Literature. Mr. Hilton
views of important contributions in all fields of recent Zoological literature. Open to Juniors and Seniors. Spring term. May be repeated for credit. 1 unit. F. 8.

Zoological Problems. Mr. Hilton and Mr. Pequegnat
this course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy and Embryology and have had Sophomore work in Zoology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Spring term, 1 to 3 units. May be repeated for credit. Laboratory fee, \$2.00 per unit when Laboratory work is involved. Arranged.

The Department of Zoology conducts summer work at the Laguna Beach Marine Laboratory, Professor W. A. Hilton, Director.

Chemistry

NON-TECHNICAL COURSES

1a, 1b. A Survey of Chemical Science.

Mr. T

For students who do not have in mind a scientific career, but to gain some knowledge of the physical sciences as part of general education. (Omitted in 1943-44).

114a-114b. Nutrition and Foods.

Mr. Robi

A survey of present-day knowledge of the nutritional factors necessary for optimum health, the various classes of food-stuffs and their nutritional value, the food budget, purchasing, and planning a dietary to meet the requirements of different individuals and groups. No prerequisite. 2 units. TTh, 8.

FOUNDATION TRAINING FOR SCIENCE STUDENTS

Note: A comprehensive foundation in chemistry is required for majors in chemistry and in the biological-chemical field, for medical students and for some other fields of scientific work.

The following courses are included in such a program:

Inorganic chemistry: 53a-53b and 55a.

Qualitative analysis: 55b.

Quantitative analysis: 57.

Organic chemistry: 103a-103b and 104a-104b, or 105.

53a-53b. Inorganic and Elementary Theoretical Chemistry.

Mr. Robi

Lectures, demonstrations and discussions in which attention is given to the philosophy of the scientific method and to the significance of scientific developments in human affairs, as well as to the technical aspects of the science of chemistry. This course is to be accompanied by 55. TThS, 9.

55a, 55b. General Chemistry Laboratory and Qualitative Analysis.

Mr. T

Concurrent with 53a-53b; or 55b may be taken independently. 2 units. The spring term is laboratory practice in systematic and micro qualitative analysis. Laboratory fee, \$10.00 each term. Breakage deposit \$10.00 per term. Laboratory, ThF, 1:15-4:10.

57. Elementary Quantitative Analysis.

The principles of quantitative analysis and chemical calculations. Laboratory practice in the simpler gravimetric and volumetric methods. Prerequisite: One year of college chemistry with laboratory. Laboratory fee, \$10.00. Breakage deposit \$15.00. 2 units. term. Class, S, 8; laboratory, WF, 1:15-4:10.

103b. Organic Chemistry. Mr. Robinson
Lectures, demonstrations and discussions, relating to the chemistry of carbon compounds, including a survey of physical-chemical fundamentals and their application in this field. Practical developments of organic chemistry are stressed. It is expected that laboratory work (104a-104b or 105) shall be concurrent with this course. Prerequisite: At least one year of college chemistry, including laboratory work. MWF, 11.

104b. Laboratory Methods of Organic Chemistry .
Mr. Robinson and Assistants
Reactions and syntheses of carbon compounds. 1 unit each term. Laboratory fee, \$6.00 each term. Breakage deposit \$10.00 per term. Laboratory, T or W, 1:15-4:10.

Laboratory Methods of Organic Chemistry.
Mr. Robinson and Assistants
For students who wish to take Chemistry 57 the first term. Covers in one term the same work done in 104a-104b. Laboratory fee, \$12.00. Breakage deposit \$20.00. Spring term, 2 units. Laboratory, TW, 1:15-4:10.

Advanced Quantitative Analysis.
Continuation of Chemistry 57 for those students who wish to gain a more comprehensive knowledge of the theory and practice of quantitative analysis. Conferences will be held during laboratory periods. Laboratory fee, \$10.00. Breakage deposit, \$15.00. Spring term. Three laboratory periods, WThF, 1:15-4:10.

ADVANCED COURSES FOR STUDENTS CONCENTRATING
IN CHEMISTRY AND BIOCHEMICAL SCIENCES

155b. Biological Chemistry. Mr. Tyson
The chemistry and physical chemistry of materials important in plant and animal organisms, and chemical aspects of the life processes of organisms. Most of the laboratory experiments employ quantitative technic. Prerequisite: General, analytical and organic chemistry. Laboratory fee, \$6.00 each term. Breakage deposit \$10.00 per term. Class, WF 9; laboratory, W, 1:15-4:10.

159b. Physical Chemistry. Mr. Albrecht
A general review of the fundamental physico-chemical concepts and principles with numerous illustrative problems. Prerequisite: For the fall term, a Junior course in either chemistry or physics; for the spring term, differential and integral calculus are also required. Class, TThS, 10.

160. Crystal and Molecular Structure.

Theoretical and practical work in the analysis of the structure of crystals by means of X-Rays. May be taken as a continuation of Geology 105. Prerequisites: A Sophomore course in mathematics and a Sophomore course in either chemistry, geology or physics. Also the consent of the instructor is required. 2 units. Laboratory fee, \$2.00. No breakage deposit required. Spring term. Arranged.

161a, 161b. Physical Chemistry Laboratory.

Mr. Alb

Laboratory practice in physico-chemical measurements. 2 units. Laboratory fee, \$12.00 each term. Breakage deposit, \$10.00 each term. Laboratory MT, 1:15-4:10.

181a, 181b. Chemistry Conference.

The

Oral or written reports by students, on material found in current chemical literature; discussions of research methods, the trends of present-day research, and recent developments in theoretical and applied chemistry. Each term. One unit. May be repeated for credit. M, 1:15.

183a, 183b. Methods in Chemistry.

The

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, or biological chemistry, under the direction of the appropriate instructor. Literature reference work is an essential part of such courses, and written reports are required. Prerequisites: Analytical and organic chemistry and consent of instructor. 2 or 3 units. Each term. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

191a, 191b. Research in Chemistry.

The

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or biological chemistry, under the direction of the appropriate instructor. Thesis and an oral examination are required. 2-6 units. Each term. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

Graduate work in a considerable range of specialized fields in Chemistry is available under the auspices of Claremont Colleges.

Classics

For concentration in Latin, students are required to elect the following courses: 53, 105, 107 and 159 (both sequences). They are advised to include Greek 51, Art 51, and Philosophy 55.

GREEK

51b. Elementary. Mr. Robbins
First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature; Book I of Homer's Iliad. MWF, 1:15. (Omitted in 1943-44).

a, 101b. Selections from Greek Literature. Mr. Robbins
MWF, 1:15. (Omitted in 1943-44).

LATIN

b. Elementary. Mr. Robbins
An introductory course in the rudiments of the Latin language especially adapted for students of the modern languages. MWF, 11.

52b. Cicero, Ovid and Virgil. Mr. Robbins
Selected passages from Cicero, Ovid and Virgil; review of the essentials of Latin grammar. Open to students with one or two years of preparatory Latin. MWF, 2:15.

53b. Cicero, Pliny and Horace. Mr. Robbins
Cicero, De Senectute; Pliny, Selected Letters; study of the life and times of the late Roman republic and early empire. Horace, Odes and Epodes; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. TThS, 9.

105b. Composition. Mr. Robbins
Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be re-elected with credit and is required of students majoring in Latin. One unit. Arranged.

107b. Roman Comedy and Elegy. Mr. Robbins
Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. MWF, 8.

159b. Roman History and Biography. Mr. Robbins
Two sequences of readings are offered in alternate years: a, Roman philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for credit in successive years. In 1943-1944 sequence a. MWF, 3:15.

Available at Scripps College

- I-48. Greek Drama and Its Influences.
Year course. TTh, 10 and arranged.

Mr. Westb

Graduate work in Roman Literature is offered under the aus
of Claremont Colleges.

Economics

A student who contemplates concentration in Economics, the possibility of honors, is urged to consult a member of the of the department for advice, and should plan to take the course in Principles of Economics (51a-b) in the sophomore Accounting (Economics 5a-b), Mathematics of Finance (Mathematics 57), and Statistical Methods (Mathematics 58) are recommended as fundamental tool subjects especially helpful in preparation for upper division courses in Economics, and should be elected within the first two college years, if possible. The student who looks forward to a professional career in law, business, social service, or public administration will do well to include several courses in Economics in his program of studies, along with appropriate courses in related social sciences.

- 5a-5b. Accounting.

Mr. de Ry

A study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. MF, 11, and T or W, 1:15-4

- 51a-51b. Principles of Economics.

Mr. Dun

The basic course in the general principles of Economics, including current problems. Required for students expecting to emphasize the study of Economics and prerequisite for advanced courses in Economics. Not open to freshmen. Economics 5 not prerequisite for Economics 51. Unless otherwise indicated, Economics 51 is prerequisite for all upper division courses in the department. Two sections. MWF, 8, 9.

103. Money and Banking.

Mr. Dun

Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to support society with adequate media of exchange. Fall term. TThS 9.

105. Corporation Finance.

Mr. Dun

Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including some study of cooperative organizations. Prerequisite: Economics 5, or equivalent training in Accounting. Fall term. TThS 9. (Omitted in 1943-44).

Public Finance. Mr. Duncan
Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Spring term. TThS, 8.

Economic Problems of Latin America. Mr. Duncan
A study of the economic and cultural problems of the Latin American countries, with attention to economic resources, industries, commercial relations, and recent socio-economic changes. Previous courses in Economics and a working knowledge of Spanish desirable, but not prerequisite. Permission of instructor required. Fall term. MWF, 11.

Public Utility Economics.
An historical and analytical study of public utility problems in the United States. Illustrative material is drawn from the railway, gas and electric utilities, but particular emphasis is laid upon the economics of overhead costs, the role of competition, and regulation. Spring term. MWF, 10. (Omitted in 1943-44).

Principles of International Trade. Mr. Duncan
A study of the nature and principles of international economic relations. The balance of payments and the processes of its equilibrium is followed by a study of the course and theory of the commodity trade and the movement of capital and labor from country to country. International commercial policies and trade agreements. Problems of post-war trade adjustment. Spring term. TThS, 9.

Monopolies and Trusts.
A study of the economic principles and the legal status of monopolies. Fall term. MWF, 9. (Omitted in 1943-44).

History of Economic Thought.
A survey of the development of economic science and policy from the forerunners of the classical school to the present day. Spring term. Permission of instructor required. Arranged. (Omitted in 1943-44).

Economic Theory.
A systematic study of the theoretical tools of analysis used in the consideration both of the economic system as a whole and the particular problems which arise within it. Fall term. MWF, 10. (Omitted in 1943-44).

Economic Cycle Theory. Mr. Duncan
An introduction to the general problem of economic change and the theory of cycles. (Omitted in 1943-44).

Education

53. Introduction to Education.

Mr.

A course designed for those who desire an understanding of the American school system as a social institution. A study of educational programs in a democracy from nursery school to education classes. Fall term, MWF, 9. Spring term, TThS,

101. Techniques and Problems of Counseling and Guidance.

Mr. Fitts, Miss Gibson, Mr. Sa

An analysis of the problems and programs of counseling guidance and personnel work. Consideration of the evidence of need of guidance; objectives; various forms—educational, vocational, social, recreational, and health; organization and evaluation of guidance service. 3 or 4 units. Fall term. Arranged.

104a, 104b. History of Education.

Mr.

The development of educational theory and practice from the Greek period to the present, with an attempt during the spring term to make a comparison of the established systems in American and typical European countries. History 1 or equivalent recommended as a prerequisite. 3 or 4 units. A registration of 4 requires permission of the instructor. MWF, 11.

187a, 187b. Problems of Education.

Mr.

Stress is placed upon current educational problems and literature. Group study of selected college, secondary and elementary school issues. Each student selects individual problems for solution. 4 units. May be repeated for credit. Instructor's permission required for registration. TTh, 10, and arranged.

Available at Scripps College

IV-14. Nursery School Theory and Practice.

Mrs. J

Year course. MW, 1:30 and arranged.

A wide range of graduate work in Education leading to the various credentials as well as to the degree of Master of Arts is offered under the auspices of Claremont Colleges.

English

English 1 or an equivalent is prerequisite for all other departmental courses, and English 55 is a required course for students majoring in English. Writing is an emphasized feature of all Freshman and Sophomore courses. Book lists published by the Department for the guidance of independent reading are available to all students, and are especially recommended to those who plan to enroll in Junior or Senior courses in English.

The minimum formal requirement for concentration in English is twenty-four units of satisfactory work in courses numbered over 100. The individual program may emphasize writing or literature. The study in college of at least one language and literature other than English is specifically recommended. Also desirable for a program of concentration in English are courses in foreign literature in translation, offered by the language departments; in the English Bible (Religion 55); and in history and philosophy. Information concerning Honors programs in English may be obtained from the Departmental Staff.

5b. English: An Introductory Course. The Departmental Staff gives a brief review of the fundamentals of composition; instruction and practice in writing; reading and study of the more important literary types, together with principles of literary criticism and interpretation. Prerequisite for all other departmental courses. Section meetings, MWF, 8, or TThS, 8.

55b. Nineteenth Century Literature. Mr. Lincoln, Mr. Davis. Extensive reading of the major poets and prose-writers of the period. In the course emphasis will be given to literature as (1) an artistic expression of the life, thought, and character of the individual writer, and as (2) a reflection of the important intellectual, social, and historical movements of the century. Juniors and seniors may register for the course only on the written recommendation of the instructor. Prerequisite: English 1 or equivalent. MWF, 9.

Introduction to Drama.

Mr. Davis

Great plays of various periods from the classic Greek to the present day; as extensive reading as time will permit. Prerequisite: English 1 or equivalent. Fall term. MWF, 10.

Types of Prose Fiction.

Mr. Davis

A general survey of important works in prose fiction with emphasis upon selected novels—English, American, and continental—from the eighteenth century to the present. Prerequisite: English 1 or equivalent. Spring term. MWF, 10.

61a, 61b. Character Presentation in Dramatic Literature.

Mrs.

An approach to dramatic literature through the actor's art; some consideration given to the history of theatre practice; contemporary production methods. Scenes from plays, both ancient and modern, will be studied with special emphasis on effective interpretation. Prerequisite: English 1 or equivalent, and instructor's permission. TThS, 10.

63. Expository Writing.

Mr. Strath

A course in the principal methods used in explaining processes, theories, and the results of special investigations. The course is designed to meet the needs of the student who wishes further practice in expository writing, especially the student who is preparing for a career in business or one of the professions, such as law, medicine, or scientific research. Prerequisite: English 1 or an equivalent. Fall term. TThS, 9.

64. Narrative and Descriptive Writing.

Mr. Lin

A course for students who, having shown some ability as writers in English 1 or its equivalent, wish to continue with the creative problems of narration and description. Laboratory exercises, assigned problems, and discussion. Prerequisite: permission of the instructor. Fall term. TThS, 9.

ADVANCED COURSES

English 1 or an equivalent is prerequisite for all advanced courses in English.

101a, 101b. The Renaissance in England.

Mr. Strath

English literature of the Renaissance, dramatic and non-dramatic. Spenser, Shakespeare, Bacon, and Milton are the principal writers studied, and the enduring contributions of the Renaissance to English literature, in thought, forms, and materials, are major topics. MWF, 9.

103a, 103b. Literature of the Eighteenth Century.

The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and on the Continent. MWF, 10. (Omitted in 1943-44).

105a, 105b. American Literature.

Mr. Lin

The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. TThS, 10.

The Short Story.

Mr. Mulhauser

Practice in the writing of short stories and sketches. Consideration of the critical principles of the short story and criticism of both student and professional work. (A student who has completed both English 111 and English 151 may repeat one of these courses for credit). Fall term. T, 1:15-3:05, and F, 1:15.

Playwriting.

Mrs. Allen

The theory of playwriting with supervised practice in this technique. A study will be made of the structure and style of significant plays for their light on the problems of the beginning playwright. Spring term. TThS, 9.

Creative Writing.

Mr. Lincoln

Supervised practice in all forms of creative writing. Study of matters and fields of literary interest. (A student who has completed both English 111 and English 151 may repeat one of these courses for credit). Spring term. T, 1:15-3:05, and F, 1:15.

Chaucer.

Mr. Lincoln

A study of Chaucer as the outstanding narrative and dramatic poet of the transition from the medieval to the modern world. Fall term. MWF, 9. (Omitted in 1943-44).

The English Language.

Mr. Lincoln

A survey of the English language from Chaucer to the present day, directed toward an understanding of modern English usage. (Omitted in 1943-44).

155b. Shakespeare.

Mr. Davis and Mr. Strathmann

A study of the principal plays and of Shakespeare's career as a dramatist, with attention to the working conditions of the Elizabethan stage; careful reading of several of the great plays. WFF, 11.

The Great Victorians.

Mr. Mulhauser

A seminar in the major Victorian writers. A study of the literature of the period, and the philosophical and social attitudes which are expressed in that literature. Prerequisite: English 55 or an equivalent. Fall term. TThS, 9. (Omitted in 1943-44).

Contemporary Writers.

Mr. Mulhauser

Primarily a survey of the development of the novel in England and America from Henry James to the present day. Lectures and discussion of texts. Prerequisite: English 58, or permission of the instructor. Spring term. TThS, 9.

195a, 195b. Readings in English Literature.

Mr. Holmes and the Department

A seminar consisting of lectures, readings, papers, and oral directed toward a synthesis on the student's part of his work in the field of literature and allied subjects. The content of the seminar may vary annually according to the needs and interests of the students enrolled. Open to seniors majoring or taking honors in English. W, 2:15-4:05, and F, 2:15.

Available at Scripps College

I-10. The Victorian Era.

Mr. C.

Year course. MF, 10 and arranged.

I-14. The Art of Writing.

Miss C.

Creative work in prose and verse, with reading. Year course. TTh, 10 and arranged.

I-42. English Poetry.

Miss C.

Year course.

I-40. Contemporary Literature.

Mr. A.

Year course. MWF, 11.

The opportunity for graduate work in English provided by the colleges of the Claremont group is quite extensive. The student who purposes to go on into graduate study is advised to plan his whole course from at least as early as his junior undergraduate year.

Geology

Geology 51a,b is an introductory survey course. It is designed to give a general appreciation of the features and processes of the earth's surface to the non-technical student and is a prerequisite for most of the more advanced work in the department. Other courses are designed for persons intending to specialize in geology or a related science.

A geology major should include courses 51a,b, 53, 105, 111, an approved summer field course, and two of the following courses: 107a-b, 151a-b, and 181, 182. Required in other departments: Mathematics 1a-b, 65a-b; Physics 51a-b, 52a-b; Chemistry 53a-b, and 54a-b or 55a,b; and a reading knowledge of German, Spanish or French (German preferred). Mathematics 7a,b (engineering drawing), S61 (surveying), and 60 (descriptive geometry) are very desirable. In exceptional cases courses in biology may be substituted for those in physics and chemistry. Rarely the re-

ent of a summer field course is waived. Near the end of the prior year a short comprehensive written and oral examination must be passed. Special programs are arranged for Honors students.

11b. Introductory Geology. Mr. Woodford
dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Laboratory fee, \$3.00 each term. Class, WF, 8; laboratory, W or Th, 1:15-4:15.

Determinative Mineralogy. Mr. Woodford
Prerequisite: High school chemistry or equivalent. Fall term. Two laboratory periods. 2 units. Laboratory fee, \$4.00. Arranged.

Crystallography. Mr. Woodford
must be preceded or accompanied by Geology 53, unless taken on the recommendation of the Department of Chemistry or of Physics. Fall term. 2 units. WF, 10.

Petrology. Mr. Woodford
the study of rocks without the microscope. Prerequisite: Geology 53a, 53 and 105. Spring term. Two class and two laboratory periods. 4 units. Laboratory fee, \$4.00. WF, 10.

107b. Invertebrate Paleontology. Mr. Woodford
Prerequisite: Geology 51b; recommended preparation: Biology 52a. Two class and one laboratory periods, fall term; one class and two laboratory periods, spring term. Laboratory fee, \$6.00 each term. Given alternate years. Arranged.

115b. Petrography. Mr. Woodford
refraction and double refraction; the optical indicatrix; study of minerals and rocks with the petrographic microscope. Prerequisite: Geology 105. Two class and one laboratory periods, fall term; one class and two laboratory periods, spring term. Laboratory fee, \$8.00 fall term; \$8.00 spring term. Given alternate years. Arranged. (Omitted in 1943-44).

82. Geological Investigation and Research. Mr. Woodford
units. Laboratory fee, \$4.00 each term. Arranged.

A summer course in Field Geology offered by Stanford University is open to Pomona students who have completed Geology 51b and 110. 10 units of Junior credit are given for this course.

Graduate work in Geology with special reference to Petrography offered under the auspices of Claremont Colleges.

German

Students who desire to major in German should have foundation in English language and literature. Acquaintance with another foreign language, and some background in history, are desirable.

1a-1b. Elementary German. Miss Wagner, Mr. Bauer

The acquirement of a small working vocabulary. Constant practice in reading, and as much practice in speaking as time permits. Exercises in reading and writing. The essentials of grammar and etymology. Comment on German life. MWF, 9, TThS, 9.

53a-53b. Advanced German. Mr. Bauer

More advanced German language study through intensive reading of selected German works, with collateral reading in the field of the student's individual interest,—literary, social, or scientific. Continued practice in German conversation. Some attention to the understanding of the cultural life of Germany, Austria and Switzerland. Prerequisite: German 1 or an equivalent. TThS, 10.

102a, 102b. Conversation and Composition. Miss Wagner

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore. Special stress on the acquisition of a correct pronunciation and intonation. Prerequisite: German 53 or equivalent. MWF, 9.

109a, 109b. German Literature of the Nineteenth Century. Mr. Bauer

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German 53 or equivalent. (Omitted in 1943-44).

113a, 113b. German Classics of the Eighteenth Century. Mr. Bauer

A study of the outstanding works and personalities of the eighteenth century with particular attention to the social and political life of the period. TThS, 9.

158a, 158b. Modern German Literature. Mr. Bauer

The development of German Literature from 1880 to the present with reference to the political and social changes during the period. Arranged. (Omitted in 1943-44).

181b. Readings in Continental Literature of the 19th Century in Translation. Mr. Baumann
study of outstanding works of Balzac, Flaubert, Tolstoy, Dostoevsky, Ibsen, Thomas Mann, and others. One evening a week: 7:30-9:30 p.m. Arranged.

Under the auspices of Claremont Colleges graduate work is offered in various phases of German Literature with special emphasis on the modern field.

Government

The prerequisite for all advanced courses in Government 2a, 2b; but in individual cases that prerequisite may be waived with the written consent of the instructor.

Every honors program must include 54, four advanced courses, and the reading courses (141, 142, 191, 192).

The department will gladly give advice regarding preparation for the foreign service or the civil service.

INTRODUCTORY COURSES

54. Modern Governments. Mr. Sait
Fall term: American Government, with emphasis upon national institutions. Spring term: European governments, with emphasis upon British and Russian institutions. TThS, 9.

55. Introduction to Politics. Mr. Lee
An inquiry into the human and environmental forces underlying the modern state, with attention to sovereignty, constitutionalism, and forms of government. 2a, 2b are normally prerequisite to 54. Fall term. MWF, 8.

102. Municipal Government. Mr. Lee
The structure and functions of American local government, with emphasis upon the problems of home rule, intergovernmental relations, and metropolitan areas. Courses 102 and 103 are offered alternate years, with 102 being given in 1943-1944. Fall term. MWF, 9.

103. State Government. Mr. Lee
The political institutions of the American states, with emphasis upon their position in the federal system. 102 and 103 are offered alternate years, with 102 being given in 1943-1944. Fall term. MWF, 9. (Omitted in 1943-44).

104. Public Administration.

Mr.

The processes of responsible administration in American government, with reference to the theory and practice of organization, fiscal and personnel management, and administrative law adjudication. This course is designed to meet the requirements of students intending to enter government service. Spring term. MWF, 9.

105. Introduction to Law.

Mr.

A study of the development of Western legal institutions, with some consideration of theories of law. Particular attention is given to Anglo-American practices. Fall term. TThS, 9. (Omitted in 1943-44).

108a, 108b. International Relations.

Mr.

In the Fall term the main subjects of discussion will be economic discords and harmonies, the cause and effect of war, methods of justifying disputes, international co-operation, the peace movement in the nineteenth and twentieth centuries. The Spring term will be devoted to a survey of international law—its nature, sources, and content. TThS, 8.

151. Recent Political Thought.

Mr.

Comparison of the liberal democratic and authoritarian traditions with special reference to the development of American democratic ideas. Attention will also be given to theories concerning the limits of governmental action, and to modern problems of nationalism and internationalism. Prerequisites: one or more fundamental courses in government, history, economics, sociology, or philosophy. Spring term. MWF, 11. (Omitted in 1943-44).

152. Public Opinion and Propaganda.

Mr.

The role of individual and group opinion in the modern world, with particular consideration of the propaganda and other psychological techniques developed to influence this opinion. Contemporary problems will be emphasized. Prerequisites: one or more fundamental courses in government, history, economics, sociology, or psychology. Fall term. MWF, 11. (Omitted in 1943-44).

153. Political Institutions.

Mr.

A comparative survey of the agencies through which the government of the state is carried on: executive and legislature, mutual relations, the role of parties, the suffrage and system of election, legislative procedure, civil service and bureaucracy, and law courts. Spring term. TThS, 10.

Constitutional Law.

Mr. Lee

an examination of the Constitution of the United States and the decisions of the Supreme Court upon questions arising thereunder. an introduction to the case method. Spring term. TThS, 9.

Political Parties.

Mr. Sait

their role in a democracy; their relation to the electorate, public opinion, and pressure groups; how they are organized and financed; how they nominate candidates and fight campaigns. While attention will focus upon the American scene, phases of foreign practice will be noted, especially regarding the conduct of elections. Fall term. TThS, 10.

READING COURSES IN HONORS

These courses consist of assigned reading and the preparation of essays. Normally they carry, in each case, three units; under exceptional circumstances and only in the senior year, six units; and for summer reading, one to three units, according to the extent of the completed program. The essays are read before the whole group of candidates for honors, which meets every Thursday evening, with various members of the associated faculties in attendance. Several weekly meetings are devoted to bibliographical study under the guidance of Miss Marion J. Ewing, assistant librarian.

42. Political Thought from Plato to Bentham.

92. Topics for each term to be approved by the department.

Available at Scripps College

American Social and Political Ideas.

var course. MWF, 10.

Social and Political Philosophy.

Mr. Barrett

var course. TTh, 10 and arranged.

History

11a-11b. The Development of Western Civilization.

The

The evolution of civilization in Europe from antiquity to the close of the French Revolution, and its spread throughout the world. Attention is paid to the political, religious, intellectual and economic forces of change. The aim is to lay a foundation for the understanding of contemporary problems. This course is equivalent is normally a prerequisite for advanced courses in history. Two sections. MWF, 9, and TThS, 9.

55a, 55b. History of the United States.

Mr. Pit

The political, cultural and economic development of the United States from its beginnings as an outpost of European expansion to a position of independence and world influence. TThS, 8.

107a, 107b. English History.

Mr. Pit

The development of the main features of civilization in the British Isles. Emphasis is laid upon the evolution of religious, intellectual and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. Fall term, Great Britain to 1660. Spring term, Great Britain since 1660. MWF, 11.

113a, 113b. The History of Modern Europe.

Europe from the beginning of the French Revolution to the present day. Political, economic, social, and intellectual developments will be studied with reference both to their intrinsic significance and to an understanding of contemporary Europe. Open to sophomores who satisfy the instructor with regard to their preparation. TThS, 10.

120. History of American Foreign Policy.

Mr. L

The development of the foreign relations of the United States from the birth of the republic to the present day. Special emphasis will be placed upon the rise of the country as a world power. Fall term. MWF, 8.

140. History of Cultural Relations Between China and the Occident.

Mr. C

For description see Oriental Affairs 140.

157. Representative Historical Personalities.

Mr. Glea

The purpose of the course is the study of a number of significant historic figures with relation to the societies in which they lived and the evaluation and comparison of their influences upon their own and upon subsequent times. (Omitted in 1943-44).

Topics in the History of Modern Europe. Mr. Gleason
admitted in 1943-44).

The British Empire Since 1763. Mr. Pitman
examination of the major changes in Imperial policy and
colonial institutions with emphasis upon the effects of Imperialism
colonists and native races. Spring term. MWF, 11. (Omitted
1943-44).

History of Western America and the North
Pacific. Mr. Kemble
admitted in 1943-44).

HONORS

A student admitted to honors in the Social Sciences with History
as his major field (see page 67) will, in addition to the program
reading and conferences arranged with the member of the de-
partment who acts as his adviser, participate in a discussion group,
meeting the departmental faculty and students in honors, and
meet for the presentation of reports and discussion. Juniors
register for 141; seniors will register for 191.

41b. History and Historians. The Departmental Staff
consideration of the theory and interpretation of history
through the reading of a selected group of great historical classics,
and a study of the development of historiography. Arranged.

91b. Selected Topics for Historical Investigation.
The Departmental Staff
arranged.

Available at Scripps College

History of the American People.
open to those who have had or are taking History 55a,b.
or course. MWF, 11.

Modern Europe. Miss Reinert
open to students taking 113a,b. Year course. MWF, 8.

Mathematics

Students wishing to major in mathematics should enroll in Mathematics 1a,b. This latter course is normally prerequisite for 119 and above. Courses 67 and 110 offer a thorough treatment of Analytic Geometry. Any student interested in engineering should take some work in graphics, and surveying. Students in economics and business should take courses 57 and 58, for there are no prerequisites. Mathematics 58 would also be useful for students majoring in psychology and education.

1a, 1b. Introduction to College Mathematics. Departmental. The objective of this course is to prepare students for work in calculus the following year. The course is so organized as to benefit the student with extensive preparation and yet is beyond the student with a minimum preparation. It includes college algebra, trigonometry, and an introduction to analytic geometry and calculus. Prerequisites to further work in the department except Math. 57 and 58. To be offered at two periods and in sections in each period. TThS, 10. MWF, 10.

57. Mathematics of Finance. Mr. Ja. Interest, annuities, amortization, depreciation, and an introduction to the mathematics of life insurance. No prerequisite. term, MWF, 9.

58. Statistical Methods. Mr. Ja. Graphs, averages, frequency distribution, probability, correlation, index numbers. No prerequisite. Laboratory fee \$1.00. Spring term. MW, 9, laboratory, F, 1:15-4:10.

S61. Surveying. Mr. T. Use and adjustment of surveying instruments. Methods of mapping and mapping surveys for various purposes. Given during summer session at the Bluff Lake Camp of Pomona College. Prerequisite: Plane trigonometry. 6 units. (Not offered in 1943-44).

65a, 65b. Differential and Integral Calculus. Mr. Taylor and Mr. Ham. This is a standard course in the theory and applications of calculus. TThS, 9.

67. Plane Analytic Geometry Mr. Taylor. A study of the straight line, conic sections, higher plane curves and their properties. Prerequisite: Math. 1. Fall term. MWF, 11.

Solid Analytic Geometry Mr. Taylor
planes, curved surfaces, and space curves. Prerequisite: Math. 67.
Spring term. MW, 11. 2 units.

Spherical Trigonometry. Mr. Taylor
Spring term. 1 unit. F, 11.

119b. Higher Algebra and Theory of Equations. Mr. Jaeger
theory and solution of higher algebraic equations and other advanced topics in algebra. TThS, 8.

151b. Differential Equations. Mr. Jaeger
general course in the theory, solution, and application of differential equations. MWF, 8.

152b. Advanced Calculus. Mr. Hamilton
partial derivatives, multiple integrals, Taylor and Fourier series, line and surface integrals, improper integrals, elements of complex variable. MWF, 9.

Selected Topics in Higher Mathematics. Departmental Staff
from time to time work in complex variable, projective geometry, differential geometry, number theory and mathematical aspects of physics and engineering will be given as the demand requires. 1 to 3 units. Arranged.

Graduate work in Number Theory, Differential Geometry, Real and Complex Variable is offered under the auspices of Claremont Colleges.

ENGINEERING DRAWING

7a. Engineering Drawing. Mr. Taylor
beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. Laboratory fee, \$2.00 per unit. 1 or 2 units. TWTh or F, 1:15-4:10.

Advanced Engineering Drawing. Mr. Taylor
continuation of 7a. Each term. 1 or 2 units. Laboratory fee, \$2.00 per unit. May be repeated for credit. TWTh or F, 1:15-4:10.

Descriptive Geometry. Mr. Taylor
prerequisite Mathematics 7 or its equivalent. Each term. 1 to 3 units. Laboratory fee, \$2.00 per unit. TWTh or F, 1:15-4:10.

112b. Elements of Engineering Design. Mr. Taylor
engineering design problems from the fields of aeronautical, mechanical, or civil engineering. The work is varied in accordance with the interests and objectives of the individual student. 2 units. Laboratory fee \$2 per unit. TWThF, 1:15-4:10.

Military Science

The College maintains an Infantry Unit, Senior Division, Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students as leaders at the time of national emergency. Students who successfully complete a four-year course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The courses include both classroom and outdoor instruction. Theoretical instruction covers the basic technical knowledge required of a lieutenant of the United States Army. Drill periods provide opportunity for the practical application of the theoretical instruction for the improvement of the posture and physical coordination of the student. Special emphasis is placed on the development of the qualities of leadership. The poise acquired by the student and his practical experience in the art of command may be applied in many walks of life.

The instructors in the department are officers of the Regular Army detailed for duty at the College by the War Department. Equipment provided includes rifles, automatic rifles, machine guns, a one-pounder gun, a Stokes mortar, and instruments for a 28-piece band. All students are given instruction in marksmanship. Ammunition for practice is furnished without charge. Competitions are held annually and a rifle team selected for intercollegiate matches.

Students who have received training in a Junior R.O.T.C. may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of three years of Senior unit training. Application for advanced standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the school which the student attended.

The four year course is divided into the basic course, consisting of the first four terms, and the advanced course consisting of the last four of the next four terms. Enrollment in either course is voluntary, but when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligation to military service nor does it interfere with the participation in sports by the student. Uniforms for the basic course are issued without charge to the student.

rollment in the advanced course is limited to selected students who have completed the basic course or its equivalent and who enter an agreement to attend one training camp. In consideration of this agreement students receive, from the government, cash allowances equivalent to a scholarship of about \$125.00 per year. All necessary expenses in connection with the training camp, including transportation to and from camp, are provided by the government.

105a. First Year Basic Course. Colonel Baird
National defense; citizenship; military courtesy and discipline; rifle marksmanship; map reading; military policy of the United States; military organization; military hygiene and first aid; close and extended order drill and ceremonies. 1½ units. 2 sections. Class, M, 8 or 9. Drill, M, 1:15-3:05.

105b. Second Year Basic Course. Captain Stewart
Marksmanship; scouting and patrolling; infantry weapons; automatic rifle; combat principles of the rifle squad; drill and command. ½ units. 2 sections. Class T, 3:15 or F, 1:15; Drill, M, 1:15-3:05.

105b. First Year Advanced Course. Captain Stewart
Leadership; mortars; machine guns; field fortification; automatic pistol; combat orders; marches and security; combat principles of rifle and weapons platoon; interpretation of aerial photographs; drill and command. 3½ units. 2 sections. Class MWF, 9 or 11. Drill, M, 1:15-3:05.

157b. Second Year Advanced Course. Colonel Baird
Leadership; military history of the United States; military law; tanks and mechanized warfare; anti-aircraft defense; signal communications; tactical problems in the command of rifle and machine gun companies and the mortar platoon; drill and command, platoon, company and battalion commanders. 3½ units. 2 sections. Class, TThS, 8 or 9. Drill M, 1:15-3:05.

Note: Courses 105a-105b and 157a-157b are suspended for the balance of the duration of the present war.

Courses 1a-1b and 53a-53b will be given with certain modifications which will be announced to each class by the instructor.

Music

As an important force in the educational life of Pomona College music offers opportunity for participation in many instrumental and choral activities both on an extracurricular and on a campus basis. Courses are designed to include both students who intend to make music their profession and those who desire it as a hobby or avocation.

Courses required of all music majors are:

Music 1 and 55 (Harmony)

Music 104 (History)

Music 107 (Counterpoint)

Music 159 (Form and Analysis)

Majors in applied music are required to take two lessons each week in their major subjects unless excused by the music faculty. They are also required to appear frequently in student recitals, and to present a satisfactory public recital during their senior year.

Additional required courses for majors in theoretical music are:

Music 113 (Orchestration)

Music 158 (Free Composition)

Majors in theoretical music must also present a satisfactory public recital of their own compositions during their senior year.

THEORY AND HISTORY

1a-1b. Elementary Harmony.

Mr. Allen and Mr. Pollock

Thorough grounding in the fundamentals of music through the use of all mediums of hearing, singing, writing, and the keyboard. Study of major and minor modes; all diatonic triads, dominant seventh and super-tonic seventh chords and all non-chordal tones. Harmonic analysis of melodies. Four-part writing based on the technique of the 17th and 18th centuries. Prerequisite: ability to play a simple hymn at the keyboard. An arranged laboratory hour each week, in addition to the regular class periods, is required of each student. MWF, 9 or 1:15 and A.

53a-53b. Introduction to Music.

Mr. Daugherty

A nontechnical listening course to acquaint the student, through analytical study, with the symphony, opera, chamber and solo music heard in concert to-day. No previous musical experience required. 2 units. MW, 2:15 or 3:15.

55a-55b. Advanced Harmony.

Mr. Allen

A study of part-writing technic as found in the Bach Chorale and Chromatic harmony and modulation. Instrumental style of the Classical School. Prerequisite: Music 1. An arranged laboratory hour each week, in addition to the regular class periods, is required of each student. MWF, 11 and A.

a-104b. History of Music.

Mr. Fiske

Intended to familiarize the student with the major trends in the history of music from the early Christian era to the present, with special emphasis on composers, music and developments from the 16th century onward. Considerable attention is given to music problems of the present day. Prerequisite Music 1. TThS, 9.

a-105b. Brahms to Bartok.

Mr. Dayton

An advanced course in the understanding and appreciation of music, based on an intensive study of the style and works of Brahms, Debussy, Wagner, Sibelius, and the moderns. Prerequisite Music 53 or 104. 2 units. TTh, 2:15.

a-107b. Counterpoint.

Mr. Allen

Preliminary work in free style for two and three voices is followed by the Inventions and Classical Suite forms. Chorale Preludes and Variations are undertaken during the spring term. When time permits, an introduction to the Palestrina technic is offered. TThS, 10.

a-113b. Orchestration and Instrumentation.

Mr. Blanchard

A study of the instruments of the modern orchestra; their history, technical limitations and use in various groups; study of scores and the technic of scoring. Prerequisite: Music 55. MWF, 8.

a-158b. Free Composition.

Mr. Allen

Advanced original work in either the polyphonic or homophonic forms, according to the need and preparation of the student. Prerequisite: Music 107. A.

Form and Analysis.

Mr. Blanchard

Designed to lead to a clear understanding of the principles upon which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music 55. 2 units. Spring term. TTh, 8.

APPLIED MUSIC

Class Instruction (No special fees).

(Enrollment for credit is limited to two courses at one time.)

57b. Choral Singing.

Mr. Lyman

The study and production of choral music, especial attention being given to diction, phrasing, content of the works dealt with, and an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and as such will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays from 11:30 to 12:20. 1 unit. The course may be repeated for credit.

58a, 58b. Orchestra.

Mr.

A study of major works of orchestral repertoire and application of the principles of orchestral routine through public performance. Two periods of attendance weekly; one unit credit. Additional sectional rehearsals at option of director. The course may be repeated for credit. T and F, 4:15.

59a, 59b. Band.

Mr. Blane

The study and production of the best in concert band repertoire. Two periods of attendance weekly (also one hour of drill on Monday at 11:00 during football season); one unit credit. The course may be repeated for credit. M and W, 4:15.

INDIVIDUAL INSTRUCTION

Credit for individual work in Applied Music is open to all students in the college, subject to the following provisions:

No credit is given for elementary or beginning music study.

Credit is given for individual instruction on the following:

Two units per term for two private lessons weekly, one unit per term for one private lesson weekly. Placement tests are required before any credit is given and before students may advance from one rank to another. Details of these tests may be obtained from the office of the music department.

A total of not more than 16 units of individual instruction in applied music may be counted toward the Bachelor of Arts degree, 8 of which must be numbered above 100.

Music 1 (Harmony) must accompany or precede all credit-study. Non-music majors may obtain credit for one lesson per week per term for additional study without further Harmony courses. Music 55 (2nd year Harmony) must accompany or precede more than one year of credit-study for those taking two lessons a week.

II. Applied Music. (Freshman level)

61. Applied Music. (Sophomore level)

III. Applied Music. (Junior level)

161. Applied Music. (Senior level)

Voice

Mr. Lyman and _____

Organ

Mr. Blane

Piano

Mr. Olive and Mr. D.

Violin and Viola

Mr.

Violoncello

Mr. Simo

Harp

Mr. Ka

Lessons on other instruments may be arranged for through the office of the Music Department.

FEES FOR INDIVIDUAL INSTRUCTION

	Per Term
For those paying regular tuition:	
One-half hour private lesson per week.....	\$45.00
Each half-hour in excess of one per week.....	40.00
For those carrying less than ten hours of college work, exclusive of work in applied music:	
One-half hour private lesson per week.....	60.00
Each half-hour in excess of one.....	40.00

PRACTICE FEES

	Per Term
Piano, one-half hour daily, \$3.50; one-hour daily.....	\$ 6.00
Claremont Hall Organ (four manuals), one hour weekly.....	5.00
One-manual Organ, one hour weekly.....	2.00
Claremont Auditorium Organ, Claremont Colleges (advanced students only) one hour weekly.....	15.00
Piano without piano, one hour daily.....	1.50

GROUP INSTRUCTION

(Special fees charged)

Class lessons for beginning students are offered at \$25 per term, a registration of four persons being set as the class minimum. For this work no collegiate credit is given. Each class meets once a week for an hour.

Available at Scripps College

1. Renaissance to Baroque Music.
Year course. TTh, 9 and arranged.

Mr. Pattison

Graduate work in Theoretical and Applied music and in Public School Music Methods is offered under the auspices of Claremont Colleges. Students interested in obtaining the special teaching credential in music may complete the requirements for the credential by taking graduate work in Claremont Colleges.

Oriental Affairs

The Department of Oriental Affairs seeks to familiarize the student with the peoples and cultures of East Asia in both their historical and contemporary aspects, and to supplement his training in a specialized field by drawing on Oriental data and sources of information.

56b. The Development of Oriental Civilization. Mr. Fahs
(Omitted in 1943-44).

- 101a-101b. Introduction to the Chinese Language. Mr.
A reading course for beginners in the Chinese language, with major emphasis on the analysis of written characters, and grammar and syntax. Open to sophomores by permission. MWF.
- 103a, 103b. History of China. Mr.
General survey of Chinese History, with emphasis on such topics as the rise of philosophical schools, important movements in literature and art, and the evolution of social and political institutions. Effort will be made to interpret the complexities of the problems of present day China in the light of her ancient cultural heritage. MWF, 10. (Omitted in 1943-44).
104. Far Eastern Literature in Translation. Mr.
A study of outstanding Chinese literary works in English translation with the aim of a deeper appreciation of Oriental literature and thought. Fall term. MWF, 9. (Omitted in 1943-44).
105. The Contemporary Far East. Mr.
The impact of Occidental cultures and peoples upon Eastern Asia, including India and Malaysia; the physical, intellectual, and economic resources of Oriental nations; the organization and strategy of the Far East countries today. Spring term. MWF, 9.
126. Oriental Philosophy. Mr.
For description see Philosophy 126.
140. History of Cultural Relations between China and the Occident. Mr.
A rapid survey of the religious, intellectual, literary and artistic relations and interchanges between China and the Western World from Greco-Roman times to the middle of the nineteenth century. Fall term. MWF, 9.
160. History of Far Eastern Diplomacy. Mr.
(Omitted in 1943-44).
161. Contemporary Far Eastern Government and Politics. Mr.
(Omitted in 1943-44).

Philosophy

Courses 55 and 57 are general introductions to philosophy. They are recommended for students who wish a general acquaintance with the subject.

Requirements for concentration in philosophy:

24 hours of work in philosophy, including Philosophy 55 or 57 and 12 hours of work in upper division courses; normally a working knowledge of French or German, to be completed not later than the middle of the senior year. An elementary knowledge of psychology is also recommended.

Students intending to concentrate in the department should consult with members of the department to work out a satisfactory program.

Introduction to Logic. Mr. Iredell
A study of the elements of deductive and inductive reasoning with special emphasis upon the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. Fall term. TThS, 9.

53b. Philosophy of Art. Mr. W. T. Jones
(Omitted in 1943-44).

55b. History of European Philosophy. Mr. Iredell
A study of the main currents of European philosophy from the earliest Greek thinkers through modern philosophic thought. The course is designed to be a general and cultural introduction to philosophy through a study of its history. MWF, 10.

57b. Problems of Philosophy. Mr. Iredell
An introductory consideration of the meaning and method of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology, and a review of some of the main philosophic estimates of life. TThS, 10.

101a, 101b. Philosophy of Religion. Mr. Meland
See Religion 101 for description.

Types of Ethical Theory. Mr. W. T. Jones
A critical examination of some of the chief types of ethical theory (e.g. Aristotle, Kant and Bergson) and a consideration of their various solutions to the main problems of moral theory. (Omitted in 1943-44).

Oriental Philosophy. Mr. Iredell
This course is designed to provide the student with a general background of oriental thought as a basis for further study of oriental life and culture. An attempt will be made to gain an appreciation of the thought life of the Orient through a study of some of the more important thinkers and schools of oriental philosophy and through a comparison of oriental and western philosophical views and cultural ideals. Spring term. MWF, 11.

The Nineteenth Century. Mr. W. T. Jones
A study of the main currents of 19th century thought and of their reflection in the literature, the history and the social movements of the period. (Omitted in 1943-44).

152. Some Representative Philosophies of Life. Mr. W. T. J.
An evaluation of the contribution made by a number of representative thinkers to an understanding of the western mind. (Omitted in 1943-44).

153. The Philosophy of Science. Mr. Ir.
This course is designed especially for students interested in problems of the physical and biological sciences. A critical evaluation will be made of the basic concepts and methods under contemporary scientific thought. Consideration will be given to such questions as the nature of scientific knowledge, concept of nature, natural law, the relation of the scientific interest to other interests, and the contributions of the special sciences to the view of the universe as a whole. Fall term. MWF, 11.

154. Contemporary Philosophy. Mr. Ir.
A study of contemporary philosophic thought through some of the main modern thinkers with special reference to the dominant thought of the civilization of today. Prerequisite: Philosophy 55 or 56 or such previous work as will provide an equivalent grasp of the problems of philosophy. Spring term. TThS, 9.

155. Contemporary Philosophy of Education. Mr. Ir.
A consideration of educational philosophies at work in the world today, together with a critical analysis of the chief philosophical problems involved. The course will include a brief survey of the current attempts to reform education in this country and abroad, and will consider the contributions of some of the outstanding contemporary philosophical thinkers to the problem of education. Fall term. (Omitted in 1943-44).

Available at Scripps College

- IV-56. Social and Political Philosophy. Mr. B.
Year course. TTh, 10 and arranged.
- IV-59. History of Ideas. Mr. B.
Year course. MWF, 8.

A considerable range of graduate offerings in Philosophy is available under the auspices of Claremont Colleges.

Physical Education

The program of Physical Education in Pomona College is based upon the belief that a liberal education should include knowledge of the structure and functions of the human mechanism; understanding of the hygienic practices which promote physical, mental and social health; reasonable skill in developmental and recreational activities of a physical type which will promote the individual's well being during college years, and in later life; and a disposition to make such knowledge and skill essential elements in effective living.

Increasing interest in health, physical education and recreation in the United States has resulted in a growing demand for well trained and competent leaders in these fields. Pomona students may qualify for such professional work by pursuing a major course in Physical Education, followed by a year of graduate work in Claremont Colleges.

MEN AND WOMEN

A student is required to take one unit of Physical Education activities per term during his Freshman and Sophomore years, and one-half unit per term during his Junior and Senior years.

Principles of Healthful Living. Mr. Strehle and Miss Kelly
An introduction to general hygiene dealing with the meaning and significance of physical, mental, and social health as related to the individual and to society. Important phases of our National health problem. Constructive methods of promoting the health of the individual. Defensive hygiene. Special health problems of college students and young people generally. Fall term or spring term. 2 units. Men, Mr. Strehle; women, Miss Kelly. TTh, 10.

Nature and Function of Play. Miss Kelley
The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out moral habits, attitudes and judgments. Fall term. 2 units. TTh, 8.

Community Recreation. Mr. Heath
A study of the organization of the school and the public playground, the types of leadership, and types of activities best suited for various age periods. Discussion of the technique of organizing the recreation center. Organization of leadership. Limited to Juniors and Seniors. Spring term. 2 units. TTh, 8.

Community Health. Miss Kelley
A brief survey of the fields of community and public health dealing with the health of people as a group, and with the social and

governmental activities which are concerned with environmental control and health promotion. Hygiene and the correlation of total health teaching program. Spring term. 2 units. TTh, 9.

129. Kinesiology.

Miss Cawthorne

An analysis of joint and muscular mechanism, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. Spring term. MWF, 8.

152. Physical Deviations.

Miss Cawthorne

Study of the causes, prevention, and correction of physical defects. Laboratory work includes methods of examination, prescription of exercises. Prerequisite: 129. Fall term. MW, 8; and laboratory arranged.

154. Principles of Physical Education.

Mr. Niemi

Limited to Seniors preparing to teach Physical Education. Spring term. MWF, 11.

MEN

Students engage in programs of physical education activities selected according to individual needs as determined by medical and physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Among the minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense, proficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under supervision of the Department: Archery, badminton, baseball, basketball, boxing, corrective exercises, cross country running, football, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student obtains credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a certificate from the College Physician indicating that the individual is physically fit for such participation.

1a-1b. Physical Education Activities.

The S.

Required, Freshman year. ½ unit. Arranged.

b. Gymnastic Exercises. Mr. Strehle
Required of Freshmen not taking military science. $\frac{1}{2}$ unit. M,
2:15; Th, 4:15.

53b. Physical Education Activities. The Staff
Required, Sophomore year $\frac{1}{2}$ unit. Arranged.

54b. Physical Education Activities. The Staff
Required of Sophomores not taking military. Sophomore year.
 $\frac{1}{2}$ unit. Arranged.

1-105b. Physical Education Activities. The Staff
Required, Junior year. $\frac{1}{2}$ unit. Arranged.

1-107b. Physical Education Activities. The Staff
Required, Senior year. $\frac{1}{2}$ unit. Arranged.

1-191b. Technique of Teaching Physical Education.

Mr. Heath, Mr. Strehle and Mr. Merritt

This course is devoted mainly to methods in teaching and super-
vising athletics. Open to Seniors only. 2 units. Arranged.

WOMEN

A medical and physical examination is given all entering students
with subsequent posture tests. Physical activities are allowed or
prescribed as the result of these examinations. Participation in
11a-11b is required for the Freshman year. Students may have
freedom of election in other activities in so far as medical and physi-
cal examinations warrant, but must include during the Freshman
and Sophomore years one individual sport, one team or group sport
and one term of either tap, folk, or natural dancing. The passing
of a swimming achievement test is required for graduation. It
should be completed by the end of the Sophomore year.

ACTIVITY

Six units of Physical Education Activities are required for gradua-
tion. One unit is credited for 11, Fundamentals, a special course
organized in such a fashion as to include the basic fundamentals
of physical activity. The remaining 5 units may be earned by
participation in any of the following activities:

Individual Sports	Team Sports	Dancing	Gymnastics
Archery	Basketball	Rhythmics	Danish
Badminton	Baseball	Creative	Individual
Golf	Hockey	Tap	
Riding	Speedball	Folk	
Riflery	Volleyball		
Swimming			
Tennis			
Recreational Games			

11a-11b. Fundamentals.

The S

Required, Freshman year. $\frac{1}{2}$ unit. Arranged.

12a-12b. Sports and Dancing.

The S

Required, Freshman year. $\frac{1}{2}$ unit. Arranged.

63a-63b. Fundamentals, Sports or Dancing.

The S

Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.

64a-64b. Fundamentals, Sports or Dancing.

The S

Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.

115a-115b. Fundamentals, Sports or Dancing.

The S

Required, Junior year. $\frac{1}{2}$ unit. Arranged.

117a-117b. Fundamentals, Sports or Dancing.

The S

Required, Senior year. $\frac{1}{2}$ unit. Arranged.

THEORY

119a-119b. Methods in Coaching and Supervising Sports.

Miss Bri

1 unit. Fall and spring terms. Arranged.

A non-credit Counselor Training Camp is held each year immediately following Commencement. This course aims to provide experience in camp and other types of recreational leadership.

Physics

Majors in physics will plan to complete four years of mathematics to establish a solid foundation in chemistry and descriptive geometry and acquire a reading knowledge of French and German.

1a-1b. Introduction to Physical Science.

Mr. Tiles

A non-mathematical course intended for those who wish to obtain a knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the discrete structure of electricity and matter. Fee, \$ each term. MWF, 10. (Omitted in 1943-44).

51a-51b. General Physics.

Miss Jaq

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles

Courses of Study

III

physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. MWF, 8.

52b. Physical Measurements. Miss Jaquith
Quantitative laboratory work in the subjects indicated in Course 51. Must accompany 51. 1 unit. Laboratory fee, \$3.00. W or Th. 1:15-4:15.

Slide Rule and Precision of Measurements.
A study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics 51, 52. Fall term. Fee \$3.00. MWF, 9. (Omitted in 1943-44).

Engineering Thermodynamics.
A course dealing with the principles of thermodynamics and heat transfer, presented from the engineering viewpoint. The first and second laws of thermodynamics will be emphasized with applications to the properties of liquids, vapors and gases. Prerequisite: Calculus and Physics 51, 52. Spring term. MWF, 9.

a-111b. Electricity and Magnetism.
A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics 51, 52. TThS, 8.

a-113b. Mechanics. Miss Jaquith
Kinematics and dynamics of motion. Study of forces and their relation to motion. Concepts of work, power, momentum, impulse. Centers of mass, moments of inertia, products of inertia. Statics and the equilibrium of particles, rigid bodies and framed structures with special emphasis on engineering applications. Prerequisite: Calculus. MWF, 11.

a-151b. Electrical Measurements.
Laboratory in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacity. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics 111 preceding or accompanying this course. 1 unit. Laboratory fee, \$4.00. M, 1:15-4:15.

a-153b. Optics.
The fundamental laws of geometrical and physical optics, the wave theory of light, interference, diffraction, polarization, electromag-

netic theory of light, reflection and refraction, dispersion, magnetics, optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics 51, 52 and Calculus. TThS, 10. (Omitted in 1943-44).

154a-154b. Optical Measurements.

Quantitative verification of the laws of geometrical and physical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to the work in spectroscopy. Laboratory to accompany 153. 1 unit. Laboratory fee, \$4.00. F, 1:15-4:15. (Omitted in 1943-44).

191a-191b. Mathematical Physics.

Atomic physics and mathematical physics presented by the departments of mathematics and physics. Prerequisite: Calculus a major work in a physical science. 2 units. Arranged. (Omitted in 1943-44).

Claremont Colleges Graduate School announces that graduate courses in physics at the California Institute of Technology in Pasadena are available (with the consent of the instructor) to properly qualified students in the Claremont Colleges Graduate School, upon recommendation of the student's adviser.

Psychology

The departmental requirement for a "major" in psychology consists of 24 semester hours, which must include courses 54a, 54b. The student is also expected to have some knowledge of basic physiology and the elements of statistical method. The average grade in courses must be not lower than B.

51a,b, 53a,b, or 52 is prerequisite to all further courses in the department. Courses numbered 100 to 149 may be taken concurrently with 51b or 53b.

51a, 51b. Introduction to Psychology.

Mr. Ellis, Miss Thomson, and _____

Fundamental facts and principles of consciousness and behavior. The relation of the nervous system to mental processes and activities. Practical applications in various fields. Three sections. MWF, 11; TThS, 10.

52. Elements of Psychology.

Similar to 51a, 51b. Spring term. 4 units. MWF, 11 and F, 1:15-4:15.

53b. Introduction to Psychology. Mr. Ellis and _____
 similar to 51a, 51b except that there are two lectures and one two-
 hour laboratory period. Notes are written up outside of laboratory
 time. Laboratory fee, \$1.50 each term. Three lecture sections,
 MW, 11, TTh, 10, WF, 10. Laboratory periods, WTh or F,
 15-3:05.

54b. Laboratory Psychology. Mr. Ellis and _____
 The laboratory work in 53a, 53b above may be taken by those who
 have taken or are taking 51a, 51b or the equivalent. Required of
 psychology majors. 1 unit. Same periods and fee as for 53a, 53b.

Individual Differences. Mr. Ellis
 study of the nature and extent of individual differences and their
 causes as determined by objective methods. Age, sex and race dif-
 ferences. Genius, subnormality, insanity and criminality. The or-
 ganization of mind. Applications in various fields are considered
 briefly. Fall term. TThS, 9.

Problems of Psychical Research. Mr. Ewer
 the mysterious phenomena of the mind presented in the light of
 scientific psychology. The subjects considered include hyperesthesia,
 automatism, illusions and hallucinations, hypnotism, contemporary
 occultism and spiritualism. Spring term. MWF, 11.

Educational Psychology.
 practical applications of psychology to education. The nature of the
 learner; intelligence and motivation; principal features of the learn-
 ing process. Spring term. MWF, 9.

Child Psychology. Mr. Ellis
 an intensive survey of physical and mental growth and develop-
 ment. Particular attention will be given to methods of child train-
 ing and to the hygiene of growth. Spring term. TThS, 9.

Experimental Psychology.
 lectures and discussions of the principles of scientific method used
 in psychological investigations. Leading experiments in the history
 of psychology. Fall term. TThS, 8.

Personality.
 physical basis; types, traits, and methods of measurement; develop-
 ment of social attitudes and character. Fall term. TThS, 10.

Social Psychology.
 mental processes underlying social order and progress; collective
 forms of behavior. Spring term. TThS, 10.

156. Mental Tests.

A study of the principles and methods of mental testing with emphasis upon the method of giving the Stanford Revision Binet Tests. Spring term. TThS, 8.

191, 192. Advanced Psychology.

Reading course. Permission of instructor required for registration. This course consists of assigned reading and the preparation of oral presentation of essays. The subjects included depend upon the interest of the student. Arranged.

Available at Scripps College

IV-10. Growth and Development of the Child.

First semester course. Prerequisite: Elementary psychology. Miss. MWF, 10.

IV-11. Psychology of Personality Adjustment.

Second semester course. Prerequisite: Elementary psychology. Miss. MWF, 10.

IV-12. Child Study in the Nursery School.

Year course. Prerequisite: Child Psychology or Growth and Development of the Child. MW, 2:15 and arranged. Mrs.

IV-13. Mental Testing.

Year course. TTh, 10 and arranged. Miss.

V-19. Physiological Psychology.

Year course. Permission of instructor necessary for registration. Mr. C. TThS, 8.

Graduate work in various aspects and applications of psychology offered under the auspices of Claremont Colleges.

Public Address

The courses offered in the department of Public Address are intended primarily to meet the needs of students who do not plan to enter the field of speech professionally. Throughout all the courses emphasis is therefore centered on training that has proved its value as preparation for meeting such speech situations as anyone is likely to encounter. Students who are looking forward to careers that require special discipline in speech will, however, find in the work here offered adequate foundations for advanced study.

52b. Fundamentals of Public Address. Mr. Scott
Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment to specific audiences. 2 units. MW, 9.

53b. Principles of Interpretative Reading. Mr. Scott
Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary pieces. 2 units. TTh, 10.

55b. Argumentation and Debate. Mr. Scott
Study of the principles of argumentation and practical application of these principles in class debates. Debate subjects for the year analyzed and debated. 2 units. MW, 10.

531b. Advanced Public Address. Mr. Scott
Training in the construction and delivery of formal addresses. Prerequisite: Public Address 52 or equivalent. 2 units. TTh, 9.

534b. Reading of Dramatic Literature. Mr. Scott
Intensive study of a limited number of standard plays, with emphasis on dramatic values in character and plot. Interpretative reading of these plays in class. Recital programs before the class. Prerequisite: Public Address 53 or equivalent. 2 units. MW, 11. (Omitted in 1943-44).

Religion

The department of Religion has designed its offerings especially for the general student, seeking understanding of religion as a social force in history and in the contemporary scene, and orientation in a personal philosophy of life. Concentration in the department is available, however, either in the field of Philosophy of Religion, or in some branch of religious history. If the former is selected, certain courses in philosophy may be offered toward the required work, with the permission of the instructor. In the event that the problem is historical, the student is advised to take History 1a-1b as part of the necessary work.

Great Personalities in Religious History. Mr. Meland
Biographical study of significant personalities in religious cultures with special emphasis upon the religious heritage of Egyptian, Hebrew, Zoroastrian, and Greek influence, underlying the Christian civilization. The course will conclude with the life of Jesus and the rise of early Christianity. Fall term. 2 units. TTh, 10.

6. Great Personalities in Christian History.

Mr. Me

A biographical study of men and movements in western Christianity from the first century to modern times. Following an introductory survey of the making of the New Testament, and the Christian Church, the spread of Christianity throughout the Mediterranean world, the persecutions of the Christians under Rome, its final triumph under Constantine, the story of Christianity's development in the western world is related. Attention is given to artists, musicians, scientists, philosophers, poets, and men of letters as well as churchmen and theologians, who contributed to Christian culture. Spring term. 2 units. TTh, 10.

55. The English Bible.

Mr. Ni

A course designed for the general student, seeking an understanding of the literature of the Bible, and some appreciation of its human values in ancient and modern times. After a brief introduction into the story of how the Bible grew, study is made of the selections that have influenced mankind and which have shaped our own literary and religious heritage. Fall term. MWF, 8.

101a, 101b. Philosophy of Religion.

Mr. Me

A course for the general student, aiming to clarify the philosophical approach to religious thinking. Following an inquiry into modern man's dilemma in religious thought, in which the impact of the sciences and modern culture upon religious belief is considered, current interpretations of religion are evaluated. Problems as the nature of religion, the finding of religious truths, ideas of God, and the problem of suffering, are explored. TT with third hour to be arranged.

102. Applied Psychology of Religion.

Mr. Me

A course designed to enable the student to work toward a practical philosophy of living in terms consonant with the insights of modern psychology and mental hygiene and with the world-view of modern culture. (Omitted in 1943-44).

103a, 103b. Religions of the Far East.

Mr. Me

A study of the living religions of the orient, including Hinduism, Buddhism, Confucianism, Taoism, and Shinto. The religion of Islam is also examined. Following a study of the traditions and customs of these religious cultures, attention is given to the present situation in world religions. MWF, 10. (Omitted in 1943-44).

150b. Christianity and Post-War Problems. Mr. Meland
his course examines the contemporary religious situation in
merica with particular reference to creative developments now
work in our culture which will affect the post-war world. It will
dress itself to such questions as, Why Are Modern Cultures
prooting Religion? Is Christianity in Retreat from Modern Cul-
re? What Significance Will the Tendencies toward Church
nion Have? Is There Spiritual Significance in the Regional
ovement? Open to Juniors and Seniors. MWF, 10.

151b. Current Religious Literature. Mr. Meland
significant modern works which are influencing present-day re-
gious thinking in Europe and America will be read and discussed.
Open to Juniors and Seniors. Evening meeting, to be arranged.

Available at Scripps College

1. Great Religious Personalities. Mr. Hogue
near course. Not open to those who have had or are taking Re-
gion 5 or 6. TTh, 8; S, 9.

Romance Languages and Literatures

A student planning to concentrate in a Romance language should,
possible, have begun his study of that language before entering
llege. Preparatory work in some other foreign language is also
distinct advantage. Concentration in a Romance Language and
terature is designed to provide: first, a broad general knowledge
the language, literature and civilization of the student's special
terest; and second, a considerable knowledge, represented by not
s than two years of college work, in at least one other language
the Romance group.

Eighteen to twenty-four hours of work in courses numbered over
0 are required, in which at least a B average must be maintained.
or a student desirous of doing more specialized work than is pos-
sible under the regularly scheduled offerings, the Honors plan
esents additional opportunity. At the end of the senior year a
mprehensive examination is required.

French

The student whose major interest is outside the Romance Lang-
ges should note that many departments either require or recom-
end a reading knowledge of French of their major students.

3a-3b. Elementary.

Miss Ma

Essentials of grammar; drill in pronunciation, speaking and writing. Introductory readings from carefully graded modern French. Outside reading assignments adapted to the needs and interests of the individual student. Completion of this course admits to the advanced courses in the department. 5 units. MWF, TTh, 1:15.

51a-51b. Intermediate.

Mr. C

A course designed for those students who have completed two years of high school French, or a three-unit year course in French. Grammar review; extensive reading of modern French texts and outside reading assignments. MWF, 9.

103a-103b. Literature of the 19th Century.

Miss Ma

Survey of the outstanding dramatists, novelists and poets of the romantic period to the end of the century. MWF, 10.

111a-111b. Composition and Conversation.

Miss Ma

Intensive drill in written and oral expression; conversation on assigned topics, special stress on the acquisition of a correct pronunciation and intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. TThS, 9.

153a-153b. Literature of the 17th Century.

Miss Ma

An intensive study of the great masterpieces of the French 17th century, supplemented by lectures and reading assignments on the historical background. MWF, 9.

156. Literature of the Eighteenth Century.

A critical study of the French philosophers of the eighteenth century with especial attention to Montesquieu, Voltaire and Rousseau. Collateral readings and reports. (Omitted in 1943)

167a-167b. Survey of French Literature.

Miss M

A reading program for advanced students to acquaint them with the important periods of French literature not presented in the departmental offerings. Lectures, discussions, oral and written reports. Permission to enroll in this course must be obtained from the instructor. Arranged.

Available at Scripps College

I-20. Survey of French Civilization and Literature.

Mr. Cha

Year course. MWF, 8.

I-24. The Great French Humanists.

Mr. Cha

Year course. TTh, 11 and arranged.

Italian

5rb. Elementary. Mr. Crowell
A rapid survey of the grammar with special emphasis on the pronunciation. Extensive reading of modern prose. A thorough grounding in French, Spanish, or Latin is strongly recommended. MWF, 2:15.

Spanish

For concentration see page 117 under Romance Languages and Literatures. For students expecting to engage in Inter-American relations, either cultural or commercial, a knowledge of Spanish is essential.

3b. Elementary. Miss Husson and Mr. Crowell
Fall term: Essentials of grammar; pronunciation, conversation, dictation; readings from easy modern texts. Spring term: Extensive reading of more advanced texts; continued drill in grammar; conversation. Completion of this course admits to the advanced courses in the department. 5 units. Two sections, MWF, 11, TTh, 8; and TThS, 10, WF, 8.

7rb. Intermediate. Miss Husson
A course designed for those students who have completed two years of high school Spanish, or a three-unit year course in college. Grammar review; extensive reading of modern texts. Not open to students who have completed Spanish 13. MWF, 10.

105b. Advanced Composition, Conversation and Reading. Miss Husson
A course primarily designed to follow Spanish 13. Advanced grammar; conversation; extensive reading of modern Spanish and Spanish American texts. TThS, 9.

Modern Spanish Theater. Miss Husson
Study of the works of the leading Spanish playwrights from 1800 to the present time. Reading by the entire class of certain plays; reports on individual outside readings. Conducted in Spanish. Fall term. TThS, 10.

Modern Spanish Novel. Miss Husson
Study of the principal Spanish prose works from 1800 to the present time with emphasis on the novel. Extensive outside readings: written reports. Conducted in Spanish. Spring term. TThS, 10.

Courses of Study

- 173a, 173b. Literature of the "Siglo de Oro." Mr. Cro
In the fall term, the life and works of Cervantes, including a
tensive study of the "Quijote"; followed, in the spring term,
consideration of the dramatic writings of Lope de Vega, T
Ruiz de Alarcón, and Calderón. Assigned outside readings
reports. TTh, 2:15-3:30. (Omitted in 1943-44).
- 175a, 175b. Spanish American Literature. Mr. Cro
Class study of outstanding literary works of Hispanic Am
Extensive outside readings; individual reports. TTh, 2:15-3:30
- 177a, 177b. Survey of Spanish Literature. Mr. Cro
An individual reading program for advanced students who c
to become acquainted with the important literary works and m
ments not presented in other departmental offerings. Sp
stress on the early periods preceding the "Siglo de Oro." Re
conferences and reports replace the usual class meetings. Pe
sion to enroll in this course must be obtained from the instru
Arranged.

In the Romance field the graduate seminars offered under
Claremont Colleges plan center on the following periods of
literature:

- French: 16th Century, 19th Century,
Contemporary Period.
Spanish: From Beginnings to Golden Age,
Golden Age, 19th Century,
Contemporary Period.
Spanish American.

Sociology

The concentration program for this department is outlined on
page 67.

1. Social Origins. Mr. F
A study of the earliest known development of man and hu
culture. The biological emergence of man from subhuman for
traced briefly. The growth of culture from Stone Age to Iron
and the rise of such culture patterns and institutions as lang
the family, private property, religion, the state, music, art,
Open to Freshmen and Sophomores only. Fall term. MWF,
2. Comparative Cultures. Mr. F
Certain cultures are selected from each of three levels: prim
ancient civilization, modern civilization. These are analyzed

compared as to basic customs, traditions, and philosophies of life, involving folklore and proverbs, religious beliefs, economic activities and organization, political or group control, marriage and family forms, types of recreation, and extent of cultural self-sufficiency. Prerequisite: 1, or special permission of instructor. Spring term. MWF, 10.

11b. Elements of Sociology.

Mr. Kirk

An introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop a critical, comparative, and constructive attitude toward war and post-war social problems. Application of sociological principles to modern social problems, such as race prejudice and movements of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure time activities. TThS, 10.

Criminology.

Mr. Kirk

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. Fall term. MWF, 10.

Labor Problems.

Mr. Kirk

A survey of labor problems and causes of industrial unrest, collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial peace, problems of post-war reconstruction. Spring term. MWF, 10.

Marriage and the Family.

Mr. Baber

Factors involved in mate selection and the complex husband-wife and parent-child relationships. Difficulties of adjusting marriage and family patterns to our rapidly changing culture. Analysis of the factors promoting family disorganization, as well as measures tending to conserve the socially valuable functions of family life. No previous work in Sociology required, but open to Juniors and Seniors only. Fall term. Two sections. MWF, 8, 1:15.

Race Relations.

Mr. Baber

Concepts of race and culture. The nature of race contact, and the development of race consciousness and patterns of conflict in the struggle for status. The experience of several nations with racial minorities (from racial purism to amalgamation), with emphasis on American experience with Negroes, Mexicans, and Orientals.

Particular attention is given to the racial issues, both here and abroad, that have been intensified by the present war. Spring term. MWF, 1:15.

152. Social Control.

Mr. I.

An analysis of human nature and its social origin. The growth of our social heritage through social change, with its rapid acceleration in modern times making social control increasingly difficult. How society develops and maintains social patterns for the control of conduct through law, public opinion, education, religious institutions, and similar agencies, and the degree to which these attempts are successful. Special aspects of control in war time. Spring term. MWF, 8.

153. Theories of Social Reform.

Mr.

A study of various proposals for social reconstruction including The Utopians, Marxian Socialism, Fabian Socialism, Syndicalism, and Anarchy. An investigation of contemporary experiments in social reorganization: The British Labor Movement, The Fascist Regime, Soviet Russia and the Cooperative Movement in Europe, India, and America. Fall term. MWF, 9.

154. Contemporary Sociological Thought.

Mr.

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation. A survey of the leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Spring term. MWF, 9.

191a-191b. Advanced Studies in Sociology.

Mr. Kirk and Mr. F.

Research in social problems and agencies. Various techniques which have been developed in sociological research will be used in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the delimitations of the several tools of research. Open only to Seniors. Arranged.

SUMMARY OF STUDENTS

1942 - 1943

Compiled March 1, 1943

ors	-	-	-	-	-	-	-	-	-	-	-	-	220
ors	-	-	-	-	-	-	-	-	-	-	-	-	175
omores	-	-	-	-	-	-	-	-	-	-	-	-	193
men	-	-	-	-	-	-	-	-	-	-	-	-	253
als	-	-	-	-	-	-	-	-	-	-	-	-	9
Total Enrolment	-	-	-	-	-	-	-	-	-	-	-	-	850

In addition to the above, 99 Scripps College students have done some work in Pomona College during 1942-1943.

KEY TO BUILDINGS

PERMANENT



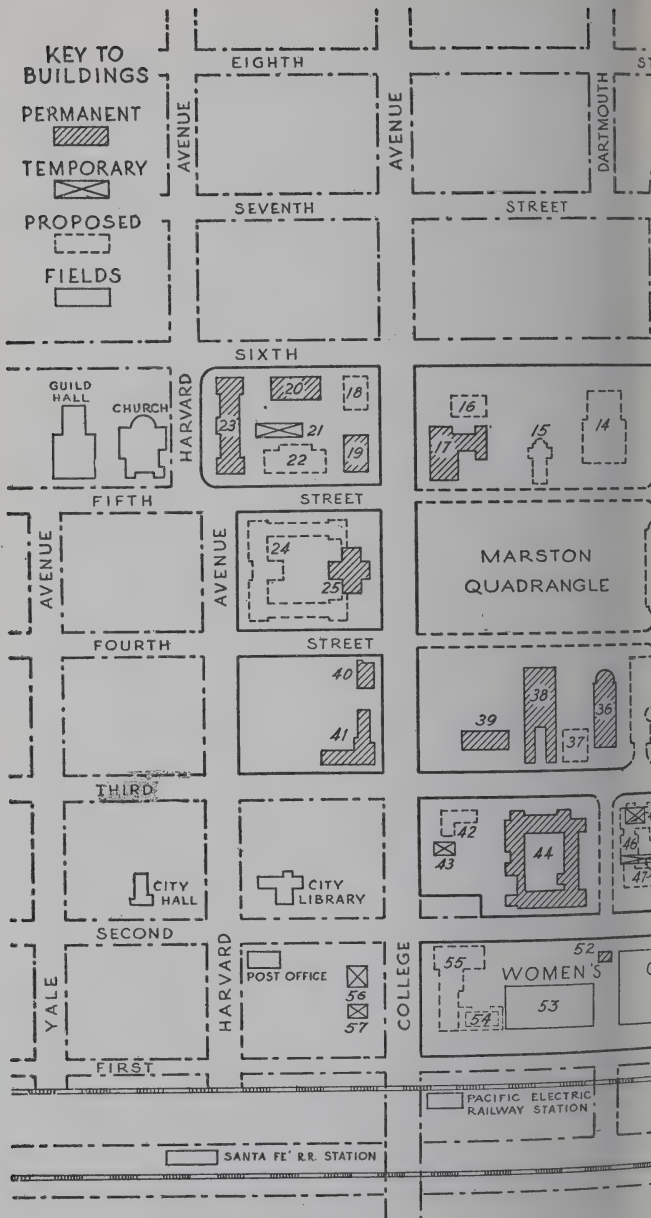
TEMPORARY



PROPOSED



FIELDS



Index

PERMANENT

3. Eli P. Clark Hall
5. Eli P. Clark Hall and Frary Hall
8. Tennis Courts
9. Alumni Athletic Fields
10. Training Quarters
11. Swimming Pool
13. Smiley Hall
14. Student Building

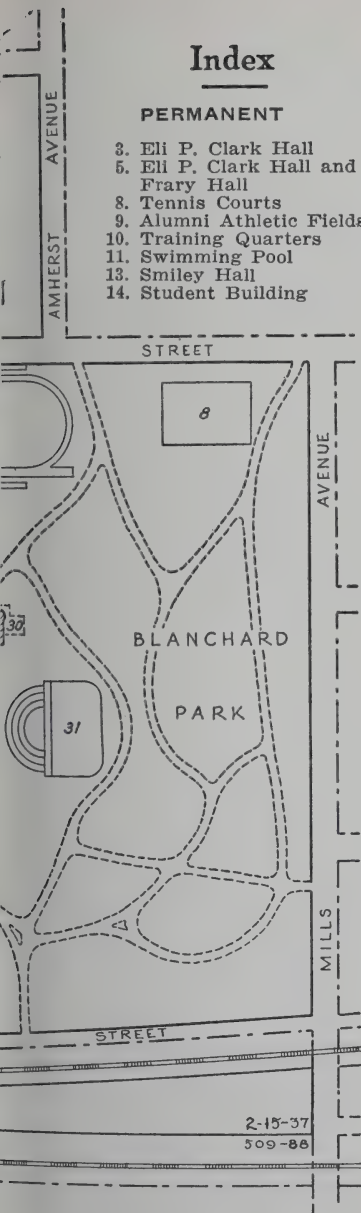
17. Holmes Hall
19. Pearsons Hall
20. Crookshank Hall
23. Mason Hall
25. Library
26. Bridges Auditorium
29. Volley Ball Court
- 29-A. Baseball Field
30. Brackett Observatory
31. Open-Air Theater
32. Hockey Field
33. Tennis Courts
35. Tennis Courts
36. Sumner Hall
38. Bridges Hall
39. Rembrandt Hall
40. President's House
41. Claremont Inn
44. Harwood Court
49. Florence Carrier Blaisdell Hall
51. Women's Playing Field
52. Field House
53. Women's Playing Field
58. Heating Plant

TEMPORARY

6. Garages
7. College Shops
21. Harwood Hall
27. Little Gymnasium
28. Big Gymnasium
43. Baldwin House
45. Kenyon House
47. Garages
50. Brackett House
56. Haddon Hall
57. Denison House

PROPOSED

1. Dean's House
2. Men's Dormitory
4. Browsing Room and Lounge
12. Men's Gymnasium
15. Chapel
16. Dramatic Studio
18. Botany Building
22. Physics Building
24. Addition to Library
30. Brackett Observatory
34. Museum of Pomoniana
37. Music Annex
42. Residence for Dean of Women
46. Women's Dormitory
48. Women's Dining Hall
54. Pool
55. Women's Gymnasium



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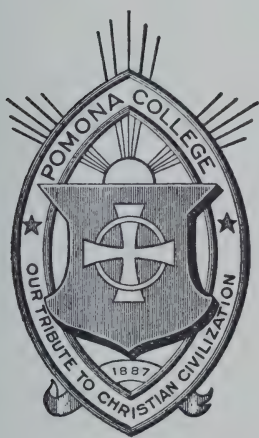
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No. 10

Extra Edition

Annual Catalog

1944-1945



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UNIVERSITY OF ILLINOIS

Pomona College

CLAREMONT, CALIFORNIA

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4	5	6	7	8	9	10	3	4	5	6	7	8	9	3	4	5	6	7	8	9	3	4	5	6	7	8	9	2	3	4	5	6	7		
11	12	13	14	15	16	17	10	11	12	13	14	15	16	10	11	12	13	14	15	16	10	11	12	13	14	15	16	9	10	11	12	13	15		
18	19	20	21	22	23	24	17	18	19	20	21	22	23	17	18	19	20	21	22	23	17	18	19	20	21	22	23	16	17	18	19	20	22		
25	26	27	28	29	30	---	24	25	26	27	28	29	30	24	25	26	27	28	29	30	24	25	26	27	28	29	30	23	24	25	26	27	28		

College Calendar for 1944-1945

Fall Term

August 25, Friday	Residence halls open for new students only, 12 noon
August 25-28,	Program for new students
August 26, Saturday	Psychological examinations for all new students, 8:00-4:00. Attendance required.
August 26 and 27, Saturday and Sunday	Separate conferences for all new men and women students
August 28, Monday	Conference Day for new students Residence halls open for returning students after noon
August 29, Tuesday	Registration for new students Pre-registration for returning students
August 30, Wednesday	Registration for returning students Special freshman classes begin
August 31, Thursday	Fall term classes begin, 8 a.m. Opening Convocation, 11 a.m.
September 14, Thursday	Last day for changing courses
October 7, Saturday	First low grade report due
October 12, Thursday	Founders Day, Flame Ceremony, 11 a.m. Final day for withdrawal from classes without penalty
November 6, Monday	Second low grade report due
November 30, Thursday	Thanksgiving Day
December 9-16,	Examination period
December 15, Friday	Commencement
December 16, Saturday	Fall term ends

College Calendar for 1944-1945

Spring Term

January 8, Monday	Registration Day
January 9, Tuesday	Spring term classes begin, 8 a.m.
January 11, Thursday	Opening Convocation of Spring term 11 a.m.
January 23, Tuesday	Last day for changing courses
February 10, Saturday	Matriculation and Parents' Day Convocation
February 10, Saturday	First low grade report due
February 20, Tuesday	Final day for withdrawal from classes without penalty
March 12, Monday	Second low grade report due
April 19-26,	Examination period
April 29, Sunday	Baccalaureate Day
April 30, Monday	Commencement

BOARD OF TRUSTEES

Officers

George W. Marston	Honorary President
Frank H. Harwood	President
Donald A. Schweitzer	Vice-President
Rodolph J. Wig	Vice-President
Ernest E. Jones	Secretary and Treasurer

Term of Office Expires June, 1945

Sanna Bixby Bryant	San Marino
Stanley Chapman	Fullerton
My Clark Eversole	La Canada
George W. Marston	San Diego
Rupert P. Jennings	Sierra Madre
Philip S. Armstrong	Los Angeles

Term of Office Expires June, 1946

William B. Himrod	Hollywood
Abraham J. McFadden	Santa Ana
Charles E. Donnelly	Los Angeles
Leah Freeman	Pomona
Ed Wilson Lyon	Claremont
James W. Fifield, Jr.	Los Angeles

Term of Office Expires June, 1947

Willis H. Merrill	Long Beach
George L. Eastman	Hollywood
Erwin F. Hahn	Pasadena
Staley G. Mudd	San Marino
Edolph J. Wig	San Marino
Ernest E. Jones	Claremont

FACULTY

Elijah Wilson Lyon

345 College Ave.

President, 1941.

B.A., University of Mississippi; B.A. and B. Litt., University of Oxford;
Ph.D., University of Chicago.

Emeritus Faculty

Charles Keyser Edmunds

860 Columbia Ave.

President, 1928. Emeritus since 1941.

Frank Parkhurst Brackett

Box 433, Balboa Island

*Professor of Astronomy on the Frank Parkhurst Brackett Foundation and
Director of the Observatory, 1888. Emeritus since 1933.*

George Stedman Sumner

105 College Ave.

Professor of Economics and Sociology, 1897.

Controller, 1922. Emeritus since 1941.

William Polk Russell

540 E. Sixth St.

*Professor of Mathematics on the Joseph W. Fiske Foundation, 1904.
Emeritus since 1932.*

Grace Ella Berry

353 W. Eleventh St.

*Dean of Women, and Associate Professor of Mathematics, 1909.
Emeritus since 1935.*

Maro Beath Jones

1431 Warner Ave., Los Angeles

Professor French Literature, 1911. Emeritus since 1940.

Bruce McCulley

210 E. Foothill Blvd.

Professor of English Literature, 1921. Emeritus since 1939.

Bernard Capen Ewer

706 Indian Hill Blvd.

Professor of Psychology, 1916. Emeritus since 1943.

William Atwood Hilton

1293 Dartmouth Ave.

*Professor of Zoology on the Willard George Halstead Foundation, 1905.
Emeritus since 1944.*

Edward Taylor

1022 Harvard Ave.

Professor of Engineering Mathematics, 1920. Emeritus since 1944.

Faculty

II

*Active Faculty arranged in order of appointment to present rank.
The date in each case denotes the beginning of original term of service.*

Alph Haine Lyman 357 W. Tenth St.

Professor of Applied Music, Head of Department of Music, 1917.

B.A., Grinnell College. Student in voice with Karleton Hackett, William B. Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Cowper and other American masters and with Vittorino Moratti in Berlin.

William Evan Nicholl Eli P. Clark Hall

Dean of Students, 1919.

B.A., Bellevue College; M.A., Columbia University. Graduate Student, Edinburgh University.

Elmer Elmer Robbins 487 Harrison Ave.

Professor of Classical History and Language, 1915, and Director of the Library.

B.A., M.A., Ph.D., University of Michigan.

William Kirk 705 Indian Hill Blvd.

Professor of Sociology on the Henry Snyder Foundation, 1922.

B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

Gene White Nixon 3163 Indian Hill Blvd.

Professor of Physical Education for Men, 1916.

B.A., Monmouth College; M.A., Columbia University. Graduate Student, Illinois and California Universities.

Frank Wesley Pitman 116 E. Twelfth St.

Professor of History on the Warren Finney Day Memorial Foundation, 1924.

Ph.B., Yale University; M.A., Yale University; Ph.D., Yale University.

Land Ray Tileston 1245 Oak Grove Ave., San Marino

Professor of Physics on the Seeley W. Mudd Foundation, 1925.

B.A., Dartmouth College; M.A., Dartmouth College; D.Sc., Colorado College.

Charles Tabor Fitts 4435 N. Live Oak Drive

Professor of Education, 1919.

B.A., Amherst College; M.A., University of California. Graduate Student, Harvard University.

Wm. H. Duncan 1100 Harvard Ave.

Professor of Economics on the Stedman-Sumner Foundation, 1926.

B.A., Wabash College; M.A., University of Wisconsin; Ph.D., University of Michigan.

Alfred Oswald Woodford

443 W. Tenth t.

Professor of Geology, 1915.

B.A., Pomona College; Ph.D., University of California.

Jessie Edith Gibson

405 Yale Ae.

Dean of Women on the Martha N. Hathaway Foundation, 1927.

B.A., University of Idaho; M.A., University of Washington. Graduate Student, California and Columbia Universities.

Chester George Jaeger

1045 Yale Ae.

Professor of Mathematics, 1931.

B.A., B.S., M.A., Ph.D., University of Missouri.

Robert Sidney Ellis

917 Harvard Ae.

Professor of Psychology, 1931.

B.A., University of Arkansas; Ph.D., Clark University.

Walter Alfred Allen

175 East 12th t.

Professor of Musical Theory and Appreciation, 1912.

B.A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.

Everett Samuel Olive

833 Indian Hill Bld.

Professor of Piano, 1923.

B.Mus., Simpson College. Graduate Student, Simpson College. Pupil of Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.

James White Crowell¹

450 University Circle

Professor of Romance Languages, 1929.

B.S., M.A., Haverford College; Ph.D., Cornell University.

Elizabeth Kelley

665 Maryland Ae.

Professor of Physical Education for Women, 1928.

B.A., University of Wisconsin; M.A., New York University; Ph.D., Stanford University.

Ray Erwin Baber

999 N. College Ae.

Professor of Sociology, 1939.

B.A., Campbell College; M.A., Ph.D., University of Wisconsin.

Raymond C. Baird

Eli P. Clark Hall

Professor of Military Science and Tactics, 1941.

Ph.B., Simpson College; Graduate Command and General Staff School; Colonel, U. S. Army.

Faculty

13

- Ch'en Shou-yi 690 Indian Hill Blvd.
Professor of Chinese Culture, 1941.
 B.A., Lingnan University; Ph.D., University of Chicago; Fellow of the Academia Sinica.
- Elliot Curtis Lincoln 472 W. Tenth St.
Professor of English, 1924.
 B.A., Colby College; M.A., State College of Washington and Harvard University.
- Benjamin David Scott 828 College Ave.
Professor of Public Address, 1923.
 B.A., University of Southern California; S.T.B. Boston University; Ph.D., Boston University. Graduate work, Brown and Harvard Universities.
- Walter Ticknor Whitney 445 W. Tenth St.
Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.
 B.S., M.S., Pomona College; Ph.D., University of Chicago.
- Edward Sanders 739 Harvard Ave.
Director of Admissions and Assistant Dean of Students, 1942.
 B.A., Hendrix College; M.A., Ph.D., Columbia University.
- Francis Raymond Iredell 1060 College Ave.
Professor of Philosophy on the Robert C. Denison Foundation, 1925.
Secretary of the Faculty, 1944.
 B.A., Pomona College; M.A., Ph.D., Harvard University.
- Bernard Eugene Meland 275 W. Tenth St.
Professor of Religion, 1936.
 B.A., Park College; Ph.D., University of Chicago. Graduate Student, McCormick Theological Seminary, Marburg University.
- Thomas Montague Beggs 424 W. Tenth St.
Professor of Art, 1926.
 B.F.A., Yale University. Graduate, Pratt Institute; Diplôme Ecole des Beaux Arts, Fontainebleau; Graduate study, Harvard University.
- Carl Baumann 459 W. Eleventh St.
Professor of German, 1931.
 Ph.D., University of Basel.
- Harold Davis 612 W. Tenth St.
Professor of English, 1927.
 B.A., Stanford University; B.A. and B.Litt., Oxford University.

Ernest Albert Strathmann

160 W. Eleventh

Professor of English, 1932.

B.A., M.A., Ph.D., Johns Hopkins University.

Stanley Davis Wilson

635 Berkeley Ave

*Dean of the College of Natural Science, Yenching University.**Visiting Professor of Chemistry, 1944.*

B.A., M.A., D.Sc., Wesleyan University; Ph.D., University of Chicago

Louis Booker Wright

580 S. Berkeley Ave., Pasadena

*Research Professor, Henry E. Huntington Library.**Visiting Professor of American Civilization, 1944.*

B.A., Wofford College; M.A., Ph.D., University of North Carolina

D.Litt., Wofford College.

Lo Ch'ang-p'ei

Professor of Chinese, National University of Peking and Southwest University. Visiting Professor of Chinese, 1945.

B.A., National University of Peking; Graduate Student of the Sinological

Institute, National University of Peking; Fellow of the Academia Sinica

Robert Lobingier Strehle

1019 Dartmouth Ave

Associate Professor of Physical Education for Men, 1923.

B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, University of Southern California, University of California, Stanford University.

University of Southern California, University of California, Stanford University.

University.

Helen Marburg

225 East 11th St

Associate Professor of Romance Languages, 1940.

B.A., University of London; Ph.D., Stanford University.

Margaret Husson

1250 Amherst Ave

Associate Professor of Spanish, 1925.

B.A., University of Kansas; M.A., Columbia University. Graduate student

centro de Estudios Históricos, Madrid.

Kenneth G. Fiske

905 Harvard Ave

Associate Professor of Violin, 1936.

B.Mus., M.Mus., American Conservatory of Music. Pupil of Leon Sameroff

Jacques Gordon, Otokar Sevcik.

Lyman Benson

455 University Circle

Associate Professor of Botany on the Henry Kirke White Bent Foundation, 1944.

B.A., M.A., Ph.D., Stanford University.

John Albert Vieg

Associate Professor of Government, 1945.

B.A., St. Olaf College; M.A., University of Iowa; Ph.D., University of

Chicago.

- thur Butler Hitchcock 329 West 7th Street
Associate Professor of Music, Brown University.
Visiting Associate Professor of Organ, spring term 1945.
 B.Mus., University of Rochester, Graduate, Eastman School of Music.
 Pupil of Max Landow and Frederick Lamond in Piano; Howard Hansen
 and Selim Palmgren in Composition; Abel Decaux in Organ. Studied
 piano in Vienna under Eduard Steurmann and Severin Eisenberger.
- lvin Heath¹ 750 Indian Hill Blvd.
Assistant Professor of Physical Education for Men, 1922.
 B.A., Pomona College; M.A., Stanford University.
- ilie Elizabeth Wagner 650 Indian Hill Blvd.
Assistant Professor of German, 1928.
 B.A., Smith College; M.A., Pennsylvania State College. Doctorat de
 l'Université, mention Lettres, Toulouse.
- rion Jeanette Ewing 487 W. Sixth St.
Assistant Librarian, 1912.
 B.A., Olivet College; B.S., Simmons College; M.A., Boston University.
- rtis Haupt²
Assistant Professor of Physics, 1930.
 B.A., Colorado College; M.A., University of California. Ph.D., Univer-
 sity of California.
- in Howes Gleason³
Assistant Professor of History, 1939.
 B.A., Ph.D., Harvard University; B.Litt., Oxford University.
- arles Burton Fahs²
Assistant Professor of Oriental Affairs, 1936.
 B.S., M.A., Ph.D., Northwestern University; Graduate Student, University
 of Berlin. Fellow of General Education Board in Paris and Japan.
- lliam G. Blanchard⁴ 1495 Via Zurita
Assistant Professor of Music, 1936.
 B.Mus., DePauw University; M.Mus., University of Michigan.
- il Jurecka 163 W. Eleventh St.
Assistant Professor of Art, 1932.
 Graduate, Imperial and Royal College of Sculpture, Horice, Bohemia.
- gh J. Hamilton 735 Yale Avenue
Assistant Professor of Mathematics, 1936.
 B.A., University of California at Los Angeles; M.A., Ph.D., Brown Uni-
 versity.

Esther Goss Bristol²

Assistant Professor of Physical Education for Women, 1935.
B.A., Pomona College; M.A., Columbia University.

Elizabeth Cawthorne

1265 Indian Hill B

Assistant Professor of Physical Education for Women, 1935.
B.A., M.A., University of California.

John Haskell Kemble³

Assistant Professor of History, 1936.
B.A., Stanford University; M.A., Ph.D., University of California.

Daryl Dayton

262 W. Sixth

Assistant Professor of Music, 1938.
B.Mus., Oberlin College; Graduate study in Berlin and New York.

William Thomas Jones³

Assistant Professor of Philosophy, 1938.
B.A., Swarthmore College; B.Litt., Oxford University; Ph.D., Princeton University.

Norman Elliott²

Assistant Professor of Chemistry, 1938.
B.A., M.A., Oberlin College; Ph.D., California Institute of Technology.

Earl Jay Merritt²

*Assistant Professor of Physical Education, and Social Director of the M
Campus, 1925.*
B.A., Pomona College.

Orville Goodwin Harrold

154 East 10th

Assistant Professor of Mathematics, 1943.
B.A., M.A., Ph.D., Stanford University.

Richard Munthe Brace

146 East 11th

Assistant Professor of History, 1943.
B.A., M.A., Ph.D., University of California.

Willis E. Pequegnat

433 Harrison

Assistant Professor of Biology, 1940.
B.A., University of California; Ph.D., University of California at
Angeles.

Frederick G. Bracher

814 Dartmouth

Assistant Professor of English, 1944.
B.S., Oregon State College; M.A., Ph.D., University of California.

Faculty

17

ry C. Love 220 W. Tenth St.
Head of Library Loan Department, 1929.
 B.A., M.A., Stanford University.

ginia Princehouse Allen 175 E. Twelfth St.
Instructor in Dramatics, 1930.
 B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.

eph Warner Angell³
Instructor in English, 1939.
 B.A., College of Wooster; M.A., University of Oregon; Graduate Student, Yale University.

rvin Shirley Snider³
Instructor in Music, 1939.
 B.A., Pomona College; M.A., Eastman School of Music.

argaret Maple 320 W. Tenth St.
Registrar, 1940.
 B.A., Pomona College.

ederick Ludwig Mulhauser, Jr.³
Instructor in English, 1941.
 B.A., College of Wooster; M.A., Ph.D., Yale University.

Charles Shively Holmes³
Instructor in English, 1941.
 B.A., Oberlin College; Ph.D., Princeton University.

ther James Lee, Jr. 156 West 7th St.
Instructor in Government, 1941.
 B.A., Pomona College; M.A., University of California.

ce Marie James 727 Yale Ave.
Instructor in Psychology, 1943.
 B.A., Stanford University, M.A., Smith College, Graduate Student, University of California.

rgery May Smith 148 West 9th St.
Instructor in Voice, 1943.
 B.Mus., B.Mus. Ed., M.Mus., Chicago Musical College.

ga Brenes 425 Harvard Ave.
Instructor in Spanish, 1943.
 B.A., M.A., Smith College.

Karen Burt

Instructor in Physical Education for Women, 1943.

B.E., University of California at Los Angeles; M.A., University of Southern California.

Margaret P. Kellogg

Instructor in Zoology, 1944.

B.A., Smith College; M.A., Cornell University.

Gertrude Amling

Instructor in Physical Education for Women, 1944.

B.A., Pomona College; Graduate Student, Claremont Colleges.

Leroy Spore

429 West 8th St.

Instructor in Physics, 1944.

B.A., San Diego State College; Graduate Student, Claremont College.

Vera M. Hanawalt

Instructor in Chemistry, 1944.

B.A., Milwaukee-Downer College; M.A., Ph.D., University of Illinois.

Stuart M. Briggs

157 West 7th St.

Lecturer in Economics, 1943.

Ph.B., Brown University; Graduate Student, Claremont Colleges.

Betty Marie Bruner

469 West 11th St.

Lecturer in Engineering Drawing, and Assistant in Art.

B.A., Pomona College.

Corinne Solt

Eli P. Clark H.

Lecturer in Chemistry.

B.S., Kansas State College; Graduate Student, Johns Hopkins Hospital.

*Faculty of the Associated Colleges
Offering Courses in Pomona College*

Hubert Herring

Acting Professor of Latin American Civilization, Claremont Colleges.

B.A., Oberlin College; M.A., Columbia University; Graduate, Union Theological Seminary.

Isabel Fothergill Smith

Professor of Geology, Scripps College.

B.A., M.A., Ph.D., Bryn Mawr College.

¹Absent on leave, 1944-45

²Absent for War Service, 1944-45

³Absent for Military Service, 1944-45

⁴Absent on leave, spring term, 1944-45

FACULTY COMMITTEES

1944-1945

First person named is the Committee Chairman.

Administration—President, Secretary of the Faculty, Dean of Students, Dean of Women, Jaeger, Strathmann, Husson, Pitman.

Admission—Nicholl, Sanders, Gibson, Ellis, Maple.

Athletic Council—Nixon, Nicholl, Woodford, three student representatives, and two alumni representatives.

Monterey College representatives on the Southern California Inter-collegiate Athletic Conference—Nicholl, Jaeger, Nixon.

Classification—Nicholl, Duncan, Whitney, Sanders, Maple, Wagner, Lincoln.

College Life—Nicholl, Gibson, Jaeger, Husson, Sanders, Duncan, President Associated Students, and President Associated Women Students consultant members on call.

Courses of Study—Strathmann, Fitts, Marburg, Fiske, Maple, Lee, Pequegnat, Pitman, Davis, Sanders, Benson, Meland, Tileston, Ch'en, Iredell.

English—Hamilton, Meland, Bracher.

Health—Kelley, Nicholl, Gibson, Nixon, Pequegnat, Coltrin, Smith, Cawthorne, A. W. S. and A. M. S. Presidents consulting members on call.

Laboratory—Baumann, Husson, Robbins, Hamilton, Pitman, Duncan, Ewing.

Personnel—Sanders, Gibson, Fitts, Nicholl, Maple, Ellis, Husson, Kelley.

Faculty Committees

Public Events—Nicholl, Lyman, Scott, Iredell.

Religious Activities—Meland, Baber, Scott, Lyman, Marburg, Benson, Blanchard, and two student representatives.

Scholarships—Iredell, Nicholl, Gibson, Marburg, Meland, Harrold.

Student Aid—Nicholl, Gibson, Sanders, Strehle, Baber.

Special War Committees

Military Service—Nicholl, Baird, Strehle, Baber.

Women Students and the War—Gibson, Fitts, Kelley, Meland, Pequegnat.

Pre-Medical—Pequegnat, Coltrin, Wilson.

Pre-Theological—Scott, Meland, Iredell.

Key Center of Information and Training—Robbins, Allen, Iredell, Wagner, Love, and six student representatives.

THE COLLEGE

The Founding of Pomona

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California.

Original Trustees

Henry Kirke White Bent	Pasadena
Nathan W. Blanchard	Santa Paula
Anson Brunson	Los Angeles
Elwood Cooper	Santa Barbara
James T. Ford	San Bernardino
James H. Harwood	San Diego
David D. Hill	Pasadena
Theodore C. Hunt	Riverside
George W. Marston	San Diego
John K. McLean	Oakland
Henry A. Palmer	Oakland
Seth Richards	Boston, Mass.
Charles B. Sheldon	Pomona
Charles B. Sumner	Pomona
Andrew J. Wells	Long Beach

Of this group, Mr. George W. Marston is still a member of the Board. He served as its President for twenty-seven years, and now Honorary President.

The College was incorporated October 14, 1887. The work of construction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the college. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrollment has been held at approximately 750 divided equally between men and women and among the four classes.

The Presidents of the College and their terms of office have been: Cyrus G. Baldwin, 1890 to 1897; Franklin L. Ferguson, 1897 to 1901; George A. Gates, 1901 to 1910; James A. Blaisdell, 1910 to 1928; Charles K. Edmunds, 1928 to 1941; E. W. Lyon, appointed in 1941.

The Associated Colleges

The imperative demand for expansion led to the adoption of a group plan of affiliated colleges, in which the obvious advantages of the small college are combined with those of the large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps, whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

Claremont Colleges, with its own trustees known as "The Board of Fellows," some of whom are also trustees of Pomona College and Scripps, constitutes a central group, focusing a mutual effort set to return to each member of that group a stimulating and supplementing influence. Through the bequest of the late Samuel W. Mudd, first chairman of its Board of Fellows, and erstwhile trustee of Pomona College, Claremont Colleges received a gift of one million dollars for the establishment of its work.

These three institutions, Pomona, Scripps and Claremont are independent, but cooperate in maintaining certain mutual activities and facilities. Pomona and Scripps exchange upper division classroom privileges, thus enlarging the opportunity of the advanced students for a choice of instructors and subject matter. The Graduate School, the central library, and in part the sponsoring of research work are carried on as common enterprises of the three institutions under the administration of Claremont College. The buildings and facilities of Claremont Colleges and the laboratories of Pomona College are for the use of all.

The three associated colleges cooperate in the administration of the health service, which includes the full time of a physician and the operation of a thoroughly up-to-date infirmary.

To Claremont Colleges is entrusted the responsibility for an auditorium seating 2600 and for the music and lecture courses presented in it each year, the development of a central heating plant, the purchasing and cataloging of books for all three libraries, and the conduct of a common business office, each institution sharing proportionately in the cost of these common services. An "Intercollegiate Council" serves as a co-ordinating agency for matters of mutual concern.

Claremont

One of Pomona's greatest assets is Claremont, the unique academic community of 3200 that has grown up around the college. The early settlers were New Englanders and they gave to Claremont an atmosphere unusual on the Pacific Coast. With the growth of Pomona and the foundation of Scripps College and Claremont Colleges the village has come to be a cultural center of unusual significance.

The prestige and advantages of the colleges brought other educational and religious institutions to the village. Four private preparatory schools are now located in Claremont. Under the auspices of the Congregational Church, Pilgrim Place, a community for retired ministers and missionaries, was founded in 1915. Each winter the village entertains a number of visitors who come to enjoy the climate and the beauty of citrus groves beneath towering, snow-capped mountains.

Pomona students enjoy life in a cosmopolitan community, which retains the charm and intimacy of a New England village. Yet they are in no sense isolated from the busy life of Southern California, for the college is only four miles from the town of Pomona and only thirty-five miles from Los Angeles.

Pomona's Ideal

Pomona College represents the effort to maintain in an exceptionally favorable environment a small independent residence college whose students enjoy the inestimable advantages of intimate contact with each other and with their instructors. The college endeavors to give individual attention to all its students. At the same time, the close associations with Scripps and Claremont Colleges afford at Pomona facilities normally available only at large universities.

From the very beginning Pomona has maintained a reputation for interest in thorough scholarship rather than in large numbers. Membership in the institution itself is regarded as a scholastic honor. Pomona's devotion to scholarship received national recognition in 1914 when the college was awarded a chapter of Phi Eta Kappa. Since September 1924 the college has given further impetus to academic achievement by maintaining an honors type of instruction which affords special opportunities for independent study to students of recognized ability.

Pomona holds that scholarship should not only be high but also broad and inclusive. It insists that the best preparation for life is a liberal arts education. Only such training can provide the comprehensive view of society required in the modern world. Pomona aspires to train men and women who can provide professional, business, and civic leadership in their respective communities.

Social Training an Essential Part of Education

Some of the greatest values in higher education come from the daily contact of student with student. Pomona College is an academic community in which the student's daily living, as well as his academic work, is under the direction of the college. With the exception of the small group that lives at home, all students are accommodated in dormitories and dining halls owned by the college. Pomona is one of the most completely residential colleges in the United States.

Dining together in finely appointed college halls induces social amenities not acquired otherwise. Exchange dinners between the women's campus and the men's campus afford opportunities for social intercourse and entertainment at no extra expense. Students meet in the private dining rooms for luncheons and dinners with distinguished visitors to the campus.

Pomona's co-educational character greatly increases the interest and culture of its student body. Working together on social as well as scholastic problems, men and women students associate in mutual respect and dignity. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Religious Life

While originally Congregational in organization, the College long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, though nonsectarian. Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it fosters the consideration of those age long spiritual aspirations and interpretations which constitute religion. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of education, to seek an interpretation of his own guided by a critical study of those arrived at by others.

The college desires to offer its students the greatest opportunities for spiritual growth and religious experience. A department of religion is maintained in the regular curriculum and a rich group of courses is available. Weekly devotional chapels are sponsored and church services are held at the college each Sunday morning.

The village of Claremont enjoys the great advantage of a community church in which all Protestant denominations worship together. Students are encouraged to affiliate with the church and attend its services. There they enjoy fellowship with students, faculty, and townspeople.

THE COLLEGE AND THE WAR

With the outbreak of the war, Pomona College realized its social responsibility of providing and preserving education in the liberal arts and of making the maximum contribution toward military victory. The faculty made a thorough examination of the curriculum and altered certain of its traditional academic procedures.

Since January, 1942, the college has operated on a year round basis. The year is divided into three terms of sixteen weeks each. A term affords the academic work and credit of a full semester.

Work in Science

Pomona College has long been distinguished for the excellence of its work in science. Student interest, particularly in mathematics, physics, and chemistry, has been intensified by the war.

The college has paid particular attention to pre-medical education. A special faculty committee on pre-medical education has been appointed for the purpose of advising students and for integrating pre-medical training at Pomona with the accelerated program in the medical schools.

Women Students and the War

In revising its curriculum Pomona has given great thought to the wartime responsibilities of college women. The college feels that women students can make their greatest contribution by continuing their education and preparing themselves for work in the professional fields in which serious shortages exist, such as teaching, nursery school, medicine, nutrition, and social work. Students not majoring in such fields are advised to take at least one course each term directly applicable to war work. A list of such "war minors" has been prepared and distributed to all women students by the special committee on College Women and the War.

Military Programs

With the beginning of the war Pomona tendered its facilities to the government for any service which the college might render to the country. During the academic year 1943-44 two military units, comprising at times 550 men, were in residence at the college.

In the autumn of 1942 Pomona, along with Amherst College, Bowdoin College, Carleton College, Denison University, Hamilton College, Haverford College, Kenyon College, Reed College, University of Chicago, Vanderbilt University, and the University of Virginia, was asked to undertake a basic pre-meteorological training program for the Army Air Forces. This course, known as the "C" program, was initiated at the college on February 5, 1943, and was completed on February 12, 1944.

A unit of the Army Specialized Training Program was located at the College in the summer of 1943 and instructed

continued from June 14, 1943, to March 4, 1944. Pomona offered three curricula in this program: basic engineering; European Area and Language with instruction in French and Spanish; and Oriental Area and Language with instruction in Chinese and Japanese.

BUILDINGS AND EQUIPMENT

Pomona College occupies about one hundred and twenty acres, of which sixty are included in Blanchard Park, about ten in Alumni Athletic Field, and fifty in the campus proper, centering on Marston Quadrangle.

There are nineteen buildings on the campus, heated from the central heating plant operated by Claremont Colleges.

Administration and Classroom Buildings

The Mary L. Sumner Hall, named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona College, was removed from its original site in 1922 and remodeled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Monson, Massachusetts, reconstructed in 1916 in conformity with more modern plans for buildings and campus, is devoted mainly to citation rooms and departmental offices. It contains also an auditorium seating 750.

The Business Office of Pomona College is maintained in Harper Hall, administered by Claremont Colleges.

Art and Music Buildings

Rembrandt Hall is devoted to the Department of Art. The upper floor contains studio and work rooms; the lower floor two auditoriums of moderate size for exhibits and lectures.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges of San Diego, offers excellent facilities for the study of music. It contains, in addition to private studios, an auditorium seating 800.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2600 and is avail-

able for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, seats over 4000.

Science Buildings

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, contains the laboratories and lecture rooms of the departments of physics and mathematics.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Bixby, '01, serves the Department of Astronomy.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

The Library

The Library, the gift of Mr. Andrew Carnegie, was constructed in 1908, and underwent extensive renovation in the summer of 1941. Its reading rooms accommodate 350 readers. Except for the special science collections, all books and bound periodicals are housed in the main library.

Residence and Social Halls

The Albert K. Smiley Hall, the first dormitory built for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some 100 students besides the House Master and one or more instructors; two additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George W. Marston in memory of Rev. Lucien H. Frary, a Trustee from 1892 to 1903. Besides the Great Hall which will seat 450, there are three smaller dining rooms for special uses.

In peacetime Pomona College has dormitory accommodations for 330 women. Harwood Court, a modern dormitory which includes Strong Hall, accommodates 180 women.

Florence Carrier Blaisdell Hall, named in honor of Mrs. Frances A. Blaisdell, wife of the fourth President of the College, houses 80 women. The college also maintains five houses as residences for women. Two of these, the Casa Española and the Maison Française, are reserved for students majoring in Spanish and French. All women residents are served by the Aurelia Guier Harwood Memorial Dining Hall.

The Student Union, provided through the gifts of many parents supplemented by funds from the Associated Students and the bequest of the late Florence Riley, houses student offices, including publications, the graduate manager, and the Cooperative Store. It provides a social center for all students and an attractive ballroom in which all formal dances are held.

The Claremont Inn

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is operated in close association with Pomona College. Parents and friends are invited to use the facilities of the Inn for longer or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses the friendliness of the colleges and the community.

Athletic Facilities

The Gymnasium, comprising two structures, affords equipment for indoor physical training supplementing the various playing fields for men and for women.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the First World War. It represents the gift of the parents of one of these men, Sheldon Gerry, '17, supplemented by the gifts of alumni, students and friends. Alongside the Training Quarters is a modern standard size swimming pool.

Other Facilities

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in the service.

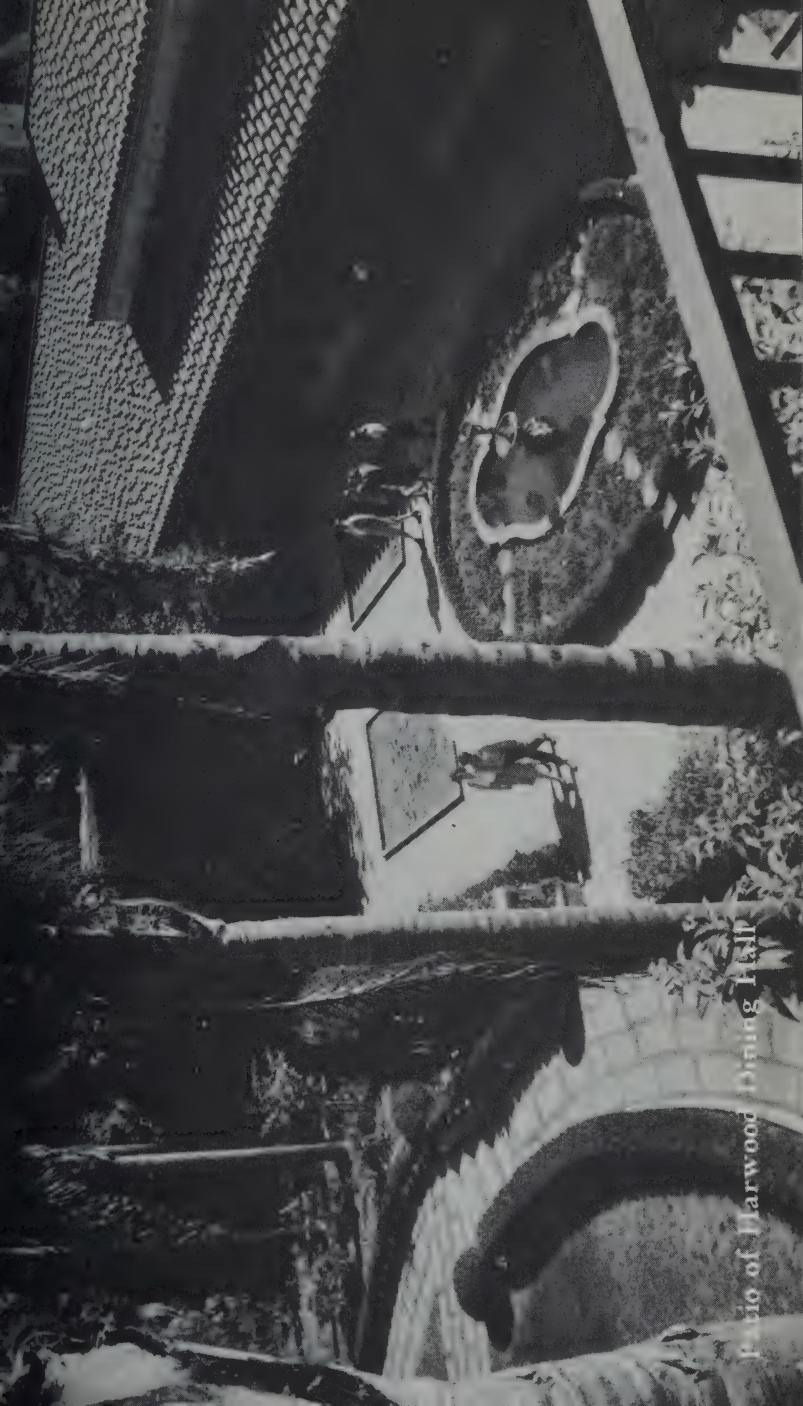
A replica of the original house in Pomona in which the College first opened in September, 1888, has been erected on the campus recently, through the generosity of an anonymous donor. It contains the historical exhibit set up in recognition of the Fiftieth Anniversary, and will become ultimately a museum of Pomoniana.

SOME VIEWS
OF THE
COLLEGE



ance to Eli P. Clark Campus for Men





Patio of Harwood Dining Hall





Mabel Shaw Bridges Auditorium of Music



A Campus Corner Shaded by Bridges Hall of Music



man Unit, Eli P. Clark Residence for Men



Smiley Hall, Residence for Men

ADMISSION

Admission Requirements

Students are admitted to Pomona College upon evidence which satisfies the Committee on Admissions that:

The applicant possesses the necessary mental abilities to carry successfully the academic program offered here, and will actually use these abilities to that end.

The college, with its program and traditions, and the applicant, with his capacities, interests and needs, are mutually well suited to each other.

The Committee tends to judge the fitness of an applicant in terms of reasonably definite academic prerequisites but it makes every effort to form judgments on the basis of the total picture rather than in terms of narrowly technical requirements.

Any person interested in preparing for Pomona, or any school official who is responsible for directing the preparatory programs for students is invited to call on the Director of Admissions at any time regarding the acceptability of candidates or for advice on specific programs.

For further information, write to Office of Admissions, Room 100, Sumner Hall, Pomona College, Claremont, California.

Admission to Freshman Standing

The College does not require any particular pattern of secondary school courses, but assumes candidates will have taken a college preparatory course. Most of the students who are accepted submit as partial evidence of their preparation for college a minimum of three years of recommended work in English, two years of a foreign language, three years in social studies, two years in mathematics, and two or three years in sciences. Students who have not had such a background are likely to be handicapped in pursuing college work, and this fact is taken into account in appraising the candidate's readiness for college.

The college does not require credit in a foreign language for entrance, but for advanced work in most fields, a reading knowledge of at least one modern foreign language is usually necessary. It is very much to the advantage of the student to begin the acquisition of this reading knowledge before entering college. Students who are planning to do advanced work in the Physical

Sciences or in Mathematics, will do well to take both Trigonometry and Solid Geometry in High School if possible.

It is normally assumed that candidates will have received high school diploma. Students from foreign countries or those who submit records showing unusual patterns of preparation must submit other evidences of their readiness to undertake college work.

When the preparatory record does not indicate clearly that a candidate is prepared to carry college work successfully the committee makes use of tests and other devices to secure supplementary information.

When the preparatory record submitted is clearly unsatisfactory in some respect the Committee reserves the right to reject candidates without further investigation. The Committee does not set arbitrary limits in determining this point, but it does assume that students who do not make recommended grades (A or B or equivalent) in a majority of their subjects during the last three years of high school should not attempt to carry the work at Pomona College. The competition among women students is such that candidates with fewer than 14 or 15 units in the first four years with marks of A or B, or their equivalent, are seldom admitted. It is recommended that applications be filed at the beginning of the senior year.

Whenever there are more applicants than can be accepted the Committee attempts to select the strongest candidates with little regard for the chronological order in which applications are received. In all cases admission is granted subject to evidence of satisfactory physical condition on the part of the candidate.

Admission to Advanced Standing

In considering applications for advanced standing the College follows the general policy used for freshman candidates. It requires honorable dismissal from the previously attended institution with an average grade of C or better in liberal arts type of courses taken in accredited collegiate institutions, together with recommendations from the proper school officials. Transcripts must show the record of the secondary as well as the collegiate institutions attended.

Credit allowed for work taken in other institutions will be determined by the Classification Committee after the candidate has been accepted.

Admission to Special Classification

Mature students, particularly those equipped for advanced studies in special departments, may be admitted as special students in courses for which, by ability and preparation, they may be qualified. Special students are not candidates for a degree, though students admitted to this classification may be accepted later as candidates for a Degree.

Three Year Program for Junior College Graduates

Recognizing the increasing demand on the part of many Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to the Master's degree rather than a two-year program leading only to the Bachelor's degree, Pomona College calls the attention of those interested in such a procedure to the general statement on page 69 and the subsequent departmental exhibits of upper division and graduate studies.

Application Procedure

Application and Credentials

Application for admission to Pomona College must be made on the form furnished by the college and all credentials must be submitted with the Committee on Admissions.

The forms and credentials required are:

Application Form I. Including \$3.50 fee.

Two Personal Rating Scales, Form II. Confidential reports by the principal or proper school official, and by a class-room teacher, sent by them to the Director of Admissions.

A Personal Letter by the applicant, stating reasons for going to college and why Pomona has been selected, also explaining any extended break in secondary school education and any special conditions affecting college plans. This letter should accompany the application Form I.

Official Transcript of high school record to date. At the time of selection of candidates, work in progress will be considered in fulfillment of requirements, and admission will be granted

subject to the filing of a final transcript showing the satisfactory completion of all secondary school work. This transcript should include interpretation of grading system.

5. Medical Certificate, on a form furnished by the college and signed by a licensed M.D. The college reserves the right to reject students for health reasons.
6. Tuition Deposit of \$25 due within thirty days of date of acceptance. This deposit will apply on the first term college begins.

Applicants who participate in the scholarship examinations may wait until the awards are announced, but must make this \$25 deposit within thirty days after they are announced.

Failure to make this payment results in the removal of the candidate's name from the reserved list both for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who have not paid are placed after those who have paid. Should an accepted candidate who has paid this deposit withdraw one month or more before the beginning of the term for which he was accepted, \$15 will be refunded. Candidates on the waiting list for whom places are not provided will have the entire deposit refunded.

In addition to the procedure noted above, a candidate for admission to advanced standing must file an official transcript of all college work for which he has been previously registered and a statement of honorable dismissal from the institution last attended.

EXPENSES

Even in peacetime the income from tuition and departmental covered little more than half the instructional and administrative costs of Pomona College. In 1941-42, for instance, these expenses averaged more than \$650 per student. The rising prices and declining enrollment occasioned by the war have greatly increased the average amount spent on the individual student.

The money received from students is supplemented by income from endowment funds and by gifts secured from those interested in furthering the high purpose of the College. The College reserves the right to change any of the following fees should future conditions make it necessary.

Tuition _____	per term \$	175.00
Including season tickets for Artist Course and Athletic Events.		
Special tuition, for students carrying less than ten units of work, for each such unit _____	per term	17.50
Exclusive of Artist Course and Athletic tickets.		
Room and Board in residences for men _____	per term	275.00-302.50
Room and Board in residences for women _____	per term	275.00
Visitor's Fee, required from those visiting a course of study _____	per course	10.00
Laboratory Fees _____	per term	1.00- 15.00
Laboratory Breakage Deposits _____	per term	5.00- 20.00
Fees for Applied Music _____	per term	25.00- 60.00
Practice Fees, Applied Music _____	per term	1.50- 15.00
Fees for Applied Art _____	per term	5.00- 25.00
For exact fee see Courses of Instruction.		
State Registration Fee (see page 66) _____		2.00- 10.00
Special Examination Fee (see page 65) _____		1.00- 2.00
Graduation Fee (see page 64) _____		10.00

Associated Student Dues.....per term

7.00

This charge is made upon all regular students by action of the Associated Students. Recognizing the value of the activities supported by this fee, the College requires its payment and reserves the right to approve the budget for which it is spent.

Residence for Men

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that men not actually living at home will live and dine in college halls.

Residential campus privileges are provided only on the basis of an inclusive charge varying from \$275 to \$302.50 per term, according to location of room. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and care of rooms. The only articles to be furnished by the student are blankets and bed spread.

Residence for Women

It is expected that women students will room in the college residence halls and board at the dining rooms in Harwood Court. Freshmen are required to reside in Harwood Court. Students living at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, in which is included the dormitory known as Strong Hall, and the several Colleges Houses which afford residence facilities, have both single and double rooms as well as suites. Florence Carrier Blaisdell Hall, the new dormitory for women, has mostly single but also a few double rooms. Each room is provided with the necessary furnishings, including rug. The only articles to be furnished by the student are linens, blankets, and spread for a single bed.

Residential campus privileges are provided on the basis of an inclusive charge of \$275 per term.

Residence Regulations

The residence privilege does not include the use of the rooms during the Christmas vacation, when the halls are closed. The residence halls are open for new students the Friday before the opening of the college year and for returning students the day of registration. The residence and boarding privileges end 24 hours

at the last examination at the end of each term for all students except seniors and those asked by the college to remain through commencement. The residence and dining halls are closed the week after Commencement.

A residential breakage fee of \$10 is required from each student, from which deductions are made for individual and communal damage to college property, any balance being credited to the student's account on graduation or withdrawal.

The college reserves the right to dismiss from a dormitory without rebate any student who becomes a disturbing or undesirable occupant.

Bills

All College bills are due each term in advance and must be paid by the student at the time of registration. Students wishing to arrange for payment by installments should confer with the controller before entering, preferably in the summer preceding registration. An interest charge of 6% per annum will be made on all unpaid balances. No refunds are made to those leaving before the end of the term except that in the case of those leaving before the middle of the term because of illness one-half of the tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all \$25.00 is returned. No refund is made on a room payment unless the room is re-rented to someone not then rooming in a college residence hall.

Special adjustments will be made in the case of men called to military service.

Students with unpaid bills are not given honorable dismissal at graduation. Seniors must settle all college bills and Library obligations by four p.m., of the fourth day preceding Commencement if they are to receive their diplomas with their class.

MEDICAL AND PHYSICAL CARE

Pomona College, in cooperation with Scripps and Claremont Colleges, engages the full-time services of a physician to care for students. Dr. Gilbert S. Coltrin, a graduate of Pomona College and of the University of Rochester Medical School, has held this position since 1940. Dr. Coltrin has had excellent training and experience, having served as Intern and later as Resident in Medicine at the University of California Hospital, Fellow in Urology at the Presbyterian Hospital in New York City, and Exchange Fellow in Physiology at the University of Kiel, Germany. He was an instructor for one year at the University of California Medical School, in addition to which he has done private practice.

The medical advice of the College Physician is ordinarily available, free of charge, to all students, subject to certain conditions of hours and location of residence. Minor ailments are treated at the Physician's office or at the Infirmary, used for cases requiring nursing and certain types of hospital care. All surgical dressings and medicines are at the expense of the ill or injured as is all medical service in chronic or prolonged illness or in case of an accident, or an acute illness beyond ordinary first-aid emergency treatment.

The student is entitled to two days each semester at the College Infirmary without charge for room and meals if illness requires hospitalization. For additional days the charge is two dollars per day. *The College, however, reserves the right to discontinue the individual medical service at any time, without previous notice.*

The College does not assume responsibility for the complete medical care of all its students, but only in so far as its present facilities will afford. Preventive medicine and campus health functions are stressed in the College medical program.

For curative treatment, students have ready access to the College Health Service and to the consultants among the leading physicians of Claremont and Pomona. However, complete service is not financed by the College. The College nurse visits the residence halls each morning in order to see those students reported ill.

When specialists, consultants and special nurses are required, such fees will be met by the student. In any illness the student is free to choose his own physician on a private fee basis.

Physical Attention

The physical care of students is a matter of special concern to the College. Supervision is given to athletics throughout the college year. Every student on entering is given a physical examination under the direction of the College Physician. The medical certificate required of all applicants for admission includes a certificate of recent successful small-pox vaccination and a certificate of a satisfactory tuberculin test, or an x-ray of the chest. Any student, while in college, may be required to present each year a follow-up certificate of examination for tuberculosis. Regular work in physical education is prescribed throughout the college years, and courses in Physiology and Hygiene are given.

Athletics. The direction and financial management of athletics rest with the Director of Athletics, who has associated with him as an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general manager there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed into athletic grounds admirably equipped and unsurpassed in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, and athletic exercises and field sports are encouraged. A swimming pool, of the standard size for water polo, and fully equipped with modern appliances, is open to both men and women.

The College endeavors to safeguard students in the use of its physical facilities, laboratories, athletic fields, and gymnasiums, and to this end the departments have established regulations concerning the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk.

PRIZES

The following prizes are offered for proficiency in the work in the several departments:

Art

The Eugene C. Cramer Prizes: A first prize of \$15.00 and a second prize of \$10.00 awarded for excellence in drawing and design in work presented for the annual exhibition. Given by Mrs. Eugene C. Cramer in memory of her husband, who was an artist.

Astronomy

The Moncrieff Astronomy Prize: A prize given to the student in the first year course in Astronomy, taken regularly in class, whose interest in the study and proficiency in the observational work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars is given by Miss Flossie C. Moncrieff, '11.

Biology

The Vaile Prize: A prize of twenty-five dollars to be awarded to an outstanding student in Botany or Zoology was endowed by the late Mr. Charles S. Vaile.

English

The F. S. Jennings Memorial Prizes: Three prizes for men and three prizes for women of fifty, forty and thirty dollars each for excellence in English, are available in the fall and spring terms, to members of the Freshman class taking English. In the award of these prizes attention is given to the interest shown by the student in improving the quality of his written and spoken English.

General

The Rena Gurley Archibald High Scholarship Prize: A prize of fifty dollars to be awarded to that member of the graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Andrew W. Archibald, D.D.

May Contest on History of Pomona College: Prizes of \$25, \$15 and \$10 are offered by the Alumni Association for the three best essays, submitted by freshmen, on some phase of the early history of Pomona College. Exact topics from which to choose and rules of the contest will be announced about October 1. Announcement of winners will be made at the Matriculation Convocation.

Government

Thorne-Rider International Relations Prize: A prize of \$50 awarded to a student in the Department of Government, taking the course in International Relations, who submits the best essay on a subject approved by the Department. This prize is given annually by Count and Countess Frederic Thorne-Rider.

Latin

Mudge Latin Prizes: Prizes for excellence in Latin. First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

Library

Eda May Haskell Library Prize: A prize of at least fifteen dollars in the form of a purchase order for books is offered for the best library submitted by a senior student, not necessarily for the largest or most expensive collection but for the most intelligently selected books in one or more fields of the student's interest.

Mathematics

Llewellyn Bixby Mathematics Prize: A prize of ten dollars for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics 1a, 1b and 65a, 65b.

Music

Barbara Sanford Allen Prize: An annual competitive prize of fifty dollars to be awarded to a student in the department of music, above freshman rank. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

The Thorne-Rider Music Prize: A prize of fifty dollars in applied music, awarded to the student most worthy of recognition, as determined by the faculty of the music department. The prize is given annually by Count and Countess Frederic Thorne-Rider.

Public Speaking

The Kinney Declamation Prizes: A prize declamation contest open to members of the Freshman class, occurs early in the spring term. First and second prizes of twenty and ten dollars, respectively, are endowed by Mrs. H. N. Kinney.

The Dole Debate Prizes: A prize debate for Lower Division men is held near the close of the spring term. First and second prizes of thirty and twenty dollars, respectively, established by the late Mr. John H. Dole in memory of his brother, Mr. William B. Dole, are endowed by Mr. Arthur M. Dole.

The Kneeland Oratory Prizes: A prize oratorical contest open to Pomona College women is held during the fall term. First and second prizes of fifteen and ten dollars, respectively, are provided by Dr. Martin Dwellè Kneeland of Claremont.

The Stella King Prizes: The opportunity to compete for a first prize of seventy-five dollars and a second prize of fifty dollars for speeches of their own composition is offered to Upper Division men. The judges have the right to distribute the prize money otherwise than in the sums indicated, or to withhold all awards if they feel warranted in so doing. These prizes were endowed by the late S. H. Wheeler, in memory of Miss Stella King.

Religion

The Hager Prizes: Prizes for the best essays on a foreign missionary subject, open to all students, were endowed by the late Mr. and Mrs. C. R. Hager. At present, first and second prizes of twenty and ten dollars respectively are offered.

SCHOLARSHIPS

All General Scholarships in Pomona College are competitive and are awarded in three groups: (1) to entering Freshman students, (2) to Junior College transfers, and (3) to resident matriculated students. The general and respective terms of award are set in the following paragraphs.

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to make awards only to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in the college community.
- (3) Physical vigor as shown by interest in outdoor sports, or in other ways.

Before making application to the Committee on Scholarships, applicants who are not matriculated students in Pomona College must file application for admission to the College with the Committee on Admissions (fee \$3.50). In the case of freshmen it is ordinarily expected that they will not have attended any other college or university. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the head of the school from which he comes, and will be required to take competitive examinations. The examinations for freshmen and for Junior College transfers will be held on Saturday, February 10, 1945. The Committee on Scholarships reserves the privilege, in case of doubt, to require further any special evidence, by examination or interview, which it may deem necessary to determine the candidate's fitness.

Scholarships for New Students Freshmen

From the General Competitive Scholarships the following are available to candidates for admission to the Freshman Class in the year 1945-46. Half of the stipend is available in the first term and the other half in the second term of the freshman year.

Four Scholarships of Five Hundred Dollars each, applicable to institutional expenses, two for men on the Henry E. Storrs and

Scholarships

Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Fifty Dollars each, open to both men and women; two from the Thomas J. Dowling Fund and two from the Margaret Burton Harwood Memorial Fund.

Nine Scholarships of One Hundred Seventy-five Dollars each, open to both men and women. One of these is from the Henry G. Brainerd and Fannie Howard Brainerd Memorial Fund.

Three Scholarships of One Hundred Seventy-five Dollars each, open to both men and women who may be nominated for the same by the California Scholarship Federation.

Additional scholarships for Freshmen may be available through appropriations from the Alumni Fund.

Applications for above freshman scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships by January 15, 1945. The examinations will be held on Saturday, February 10.

Announcement of awards will be made on or before April 1945.

Junior College Transfers

From the General Competitive Scholarships the following are available for candidates from Junior College, men or women, for the year 1945-46, half of the stipend being available in the first term and half in the second term of the Junior year.

Two Scholarships of Three Hundred Fifty Dollars each. One of these is from the Margaret Burton Harwood Memorial Fund.

These scholarships are to be awarded under the auspices of special departments, and the details of the competition will be announced later.

Four Scholarships of One Hundred Seventy-five Dollars each.

One Scholarship of One Hundred Seventy-five Dollars available to a candidate who is recommended for the same by Alpha Gamma Sigma.

Applications for above advanced standing scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before January 1945. The examinations will be held on Saturday, February 10.

Announcement of awards will be made on or before April 1945.

Scholarships for Matriculated Students

Twenty-one awards of One Hundred Fifty Dollars each are available for matriculated students, men and women, in any class, during the academic year 1944-45. Of these, fifteen are from the Julia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the fall term and ten for the spring term, either upon application to the Scholarship Committee or upon selection by the Committee from the whole number of those eligible. These scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships for the fall term should be submitted to the Committee by April 10, and for the spring term by November 1.

Additional scholarships for matriculated students may be available through appropriations from the Alumni Fund. A few of these may be available for the summer term, for which application should be made by April 10.

Special Scholarships

Kappa Delta Honor Scholarship Endowment of \$4994.03. Given by members of Kappa Delta Fraternity. The income from this endowment is supplemented by individual pledges to yield a scholarship of \$250, administered under a special committee. Awarded to a man at the beginning of his senior year.

Phi Beta Kappa Scholarship. A scholarship of \$175 endowed by the Pomona Chapter of Phi Beta Kappa is awarded at the beginning of the spring term to a senior who has been in residence for three years at Pomona and who is selected for the high quality of his scholarship and his promise of future distinction. The award is open to both men and women.

Flora Sanborn Pitzer Memorial Scholarship. \$500 a year from The Sanborn Pitzer Foundation established by Russell K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

Malcolm Eversole Memorial Fund provides a scholarship of full tuition for a man in the Junior Class to be nominated to the Scholarship Committee by the President of the College at the end of the nominee's second year in Pomona College.

The selection will be based not on scholastic rank only on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

The Llewellyn Bixby Memorial Scholarship. A scholarship of \$350 available annually to a man or woman who has completed the freshman year in Pomona College and who shows proficiency and genuine interest in science. Given by Llewellyn Bixby, '01, in memory of her husband.

DEPARTMENTAL SCHOLARSHIPS

Art

The Hannah Tempest Scholarship Fund of \$5,000. Income to be divided equally between a man and a woman studying art in accordance with conditions laid down by the donor, Hannah Tempest Jenkins.

Military

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrollment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarships of a \$100.00 per year. All necessary expenses in connection with camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrollment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be given consideration in the selection of those to whom the scholarships will be awarded.

Music

The Kate Condit Memorial Scholarship Fund of \$2000, given

the late Mr. and Mrs. A. P. Condit. The income from this fund is awarded annually to an outstanding student in the Department of Music.

William J. Howard Memorial Scholarship Fund, established by alumni and friends in memory of William J. Howard, '14. A scholarship of \$60 is awarded annually to a student for lessons in applied music.

Physics

Richard P. Edmunds Memorial Fund provides a scholarship of full tuition for an upper division man student (preferably one who has attended Pomona during the first two years) nominated to the Scholarship Committee by the Professor of Physics near the close of the spring term.

FELLOWSHIPS FOR GRADUATING SENIORS

The following awards may be made for 1945-46 if qualified candidates appear. Applications should be in the hands of the committee on Scholarships by January 15, 1945.

Should the student selected waive the emolument, the stipend be paid to the candidate next in rank, while the first student should be designated Honorary Fellow for the year.

In the *Henry Martyn Bracken Foundation* and the *Emily Benson Bracken Foundation*, two or more fellowships may be awarded to seniors for graduate work in Claremont Colleges. If in any year a graduating senior does not qualify for the award, the stipend may be given to an undergraduate student in Pomona College.

In the *William Lincoln Honnold Foundation*, a fellowship of a stipend determined by the committee of award, according to circumstances, is open normally only to students who have done four full years of work in Pomona College, who are rated in the top half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in America or abroad.

The prime purpose of the fellowship is to promote original and creative achievement in the candidate's chosen field of activity.

rather than merely to reward faithful classroom work. The selection will be based not on scholarship only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character. The plans for graduation work are to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of the year, the Honnold Fellow is to make a full report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been residing, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship plan.

Other Awards

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhodes Scholarships should advise with the Committee on Scholarships.

STUDENT AID

Grants in Aid

The college desires that no student who is doing good work should ever withdraw for purely financial reasons. To this end the income of certain funds is supplemented by a budget appropriation to be used in helping to pay the tuition fees of students who are in need of financial assistance. Such aid is normally given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of scholarship, who are economical in their habits, who are regular in their attendance upon college exercises, and who maintain at least "C" average in their scholastic work. Recipients of grants in aid are expected to earn part of their college expenses by employment during vacations and term time.

Aid may be withdrawn at any time from students who prove they have conformed to the conditions.

If a student who has received a grant in aid transfers to another institution before graduation the total sum granted him by Pomona College may become a loan, repayable according to the terms applicable to regular student loans.

All applications for aid should be made to the chairman of the Committee on Student Aid, Sumner Hall.

Student Aid Funds

The income from the following funds is available for student aid:

The Francis Bancroft Memorial Fund.....	\$ 1,500
Given by Mrs. James T. Ford of Los Angeles in memory of her father.	
The L. H. Barrows Fund.....	2,500
The H. G. Billings Memorial Fund.....	1,000
The Florence G. Bixby Fund.....	5,000
The Sherlock Bristol Memorial Fund.....	400
The Bessie A. Brown Memorial Fund.....	550
Given by Mrs. Fannie E. Brown of Los Angeles.	
The Henry Herbert Brown Memorial Fund.....	1,000
Given by Mrs. Fannie E. Brown of Los Angeles in memory of her son.	
The Class of 1918 Fund.....	961

The Charles C. Cragin Memorial Fund.....	5,025
Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles C. Cragin.	
The Agnes K. Crawford Memorial Fund.....	1,000
Given by David R. Crawford and William Crawford in memory of their mother.	
Ebell Club of Pomona Student Aid Fund.....	1,000
To help a woman student.	
The Elwood Fund.....	2,600
Given by Mary E. Elwood of Redlands, California.	
The Ford Fund.....	2,500
Given by Rev. James T. Ford of Los Angeles, California.	
The Margaret Fowler Fund.....	1,000
The Orren A. Gorton Fund.....	5,000
The Emma K. Guild Fund.....	44,337
The Manette Hand Memorial Fund.....	1,500
The Alfred James Harwood Memorial Fund.....	8,000
The Charles E. Harwood Fund.....	5,000
The Thomas F. Howard Memorial Scholarship Fund	3,500
Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.	
The Mary Marvin Janes Fund.....	679
The Helen Day Jewell Fund.....	1,000
The Henry L. Kuns Fund.....	2,000
The Jean Loomis Fund.....	2,000
The Howard J. Mills Memorial Fund.....	3,000
The Ontario Congregational Church Fund.....	186
Given by the Ontario Congregational Church towards the endowment of a fund.	
The Page Fund.....	5,000
Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at some time be used for other purposes.)	
The Arthur Warren Phelps Memorial Fund.....	2,000
Given by Mrs. C. S. Phelps and Mr. C. A. Phelps in memory of their son and brother.	
The Lydia Phelps Memorial Fund.....	4,000
The Pilgrim Church of Pomona Fund.....	1,897
Given by the Pilgrim Congregational Church of Pomona.	

Student Aid

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The Pilgrim Church Women's Auxiliary Fund.....	500
Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.	
The John D. Potter Memorial Fund.....	2,000
Given by Mrs. S. T. Potter of Westboro, Massa- chusetts, in memory of her husband.	
The Anna H. Searing Fund.....	1,800
The Walter O. Shatto Memorial Fund.....	4,000
Given by Mrs. Clara R. Shatto in memory of her son.	
The Clyde H. Shields Memorial Fund.....	1,800
Given by R. P. Shields of San Diego in memory of his oldest son.	
The Lucia Glidden Strong Fund.....	911
The Sweet Memorial Fund.....	2,500
Given by Harlan P. Sweet in memory of his wife.	
The Maria T. Wardwell Fund.....	1,000
The Clara B. Waterman Memorial Fund.....	5,000
Given by Miss Rosa May Bennett of Los Angeles.	
The Henry S. West Fund.....	2,000

Special

The Crombie Allen Scholarship Fund of \$1,000, half of the income available annually to a graduate of Chaffey Union High School and half to a graduate of Chaffey Junior College of Ontario, California.

The Martha E. Berry Memorial Fund of \$6,000. For foreign students.

The Mabel S. Bridges Memorial Fund, \$3,500. Available for women.

The Alice Paul Harwood Scholarship Fund of \$5,000. Open to graduates of Chaffey Union High School of Ontario.

The Stella M. King Scholarship and Loan Fund for Women, \$10,000.

Two grants-in-aid, provided annually by Reverend M. D. Kneeland, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the fall term and \$50 for the spring term.

The Francis M. Price Fund of \$1,000. For children missionaries.

Loan Funds

The college also administers loan funds by which it is possible to cooperate with the urgent need of students in making available to them, on an interest bearing basis, amounts sufficient to pay tuition fees. Loans from the following funds may be available:

The Ray Loan Fund..... \$ 1,682.00

Given by Mrs. E. F. Ray, to provide a means of meeting situations of temporary need.

The Lucy B. Jencks Memorial Fund..... 391.80

Established by the Claremont Chapter of the D.A.R., available for a senior girl designated by the Dean of Women.

The Ethan Allen Chase and Augusta Field Chase Fund 6,422.00

Available for men.

The David Clark Fund..... 1,136.40

The Robert C. Denison Memorial Fund..... 486.60

The George E. and Maude C. Baxter Fund..... 300.00

The Bertha Lebus Fund..... 1,000.00

The Edwin C. Norton Memorial Loan Fund..... 1,022.00

Available for undergraduate students, or for graduates of the college who wish to pursue advanced work in other institutions.

The C. F. Baker Memorial Loan Fund..... 50.00

Available for undergraduate students, preferably juniors or seniors, in the departments of Botany and Zoology, who are approved by the heads of those departments.

General Loan Fund..... 62,834.50

The Caroline Phelps Stokes Fund..... 25,000.00

Endowed by the will of Olivia Eggleston Phelps Stokes in memory of her sister, income from which is available for loans.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

Student Employment

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many

s helping themselves by various forms of labor such as janitor work, waiting on tables, general house work and gardening.

Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Tanner Hall.

LIBRARY AND LECTURE FOUNDATIONS

At present the library contains 112,000 well selected volumes and 140,000 pamphlets. It receives subscriptions to 700 periodicals and maintains bound files of approximately 550, many of which are complete. Especially valuable are the periodical holdings in the field of natural science. The library is a depository for U. S. Government Documents and the publications of the Carnegie Institution. Since the outbreak of war it has been serving as a general information library.

The following special collections are a part of the general library: the Cook-Baker Biological Library and the Parish Botany Library in Crookshank Hall; the Astronomical Library in the P. Brackett Observatory; the James A. Lyman Memorial Library of Chemistry and the Geology Library in Mason Hall; the Mathematics and Physics Library in Pearsons Hall; and the Music Library in Bridges Hall of Music. Housed in the main building are the Mason California, the Wagner North Pacific Libraries, and the Viola Minor Westergaard and Carnegie Art Collections.

An experienced and efficient staff member is on duty to assist students at all hours which the library is open. Most of the books are on open shelves where students may consult them at all times. With the exception of reference books, periodicals, and rare volumes, books may be borrowed for two weeks. Certain books in great demand for class use are placed on reserve, subject to special circulation rules.

The library is open to the students and faculty of the Associated Colleges and to the residents of Claremont.

In addition to the facilities of Pomona College Library there are also available the libraries of Scripps College and of Claremont Colleges. The Scripps College Library of approximately 27,000

volumes is housed in the Ella Strong Denison Library. It contains in addition to its general collection the McPherson Collection of books about women, and the Stephenson Memorial Collection of American History. The library of Claremont Colleges, located in Harper Hall, contains approximately 50,000 volumes, including the Oriental Library, the Library of the Americas, and the George Burton Adams Collection of English History.

Lecture Foundations

The Joseph H. Johnson Foundation, liberally endowed by Miss Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence at Pomona College.

The Henry D. Porter Foundation, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, secures to the institution annually, the extended stay of some prominent worker in the field of Christian Missions. The lecturer upon this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the region from which he has come.

The Clark Foundation, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture course of lectures in the general field of religion.

GENERAL INFORMATION

Public Assemblies

On Thursdays at 11 a.m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

On Tuesdays at 11 a.m. a brief devotional Chapel Service is held, attendance at which is voluntary. Special Vesper Music services are offered on Sunday afternoons from time to time.

Music

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day, the College cooperates with Scripps College and Claremont Colleges in the introduction each year of a group of the most distinguished masters in the field of music. During the past season Ezio Pinza, Vronsky and Babin, The Don Cossacks, The Ballet Theatre, Carroll Glenn, and the Los Angeles Philharmonic Orchestra, under the direction of Alfred Wallenstein, were presented.

For the concerts thus afforded an annual ticket is furnished to every full-time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Symphonic Band, Symphony Orchestra, the Choir, the Men's and Women's Glee Clubs, and chamber music groups, afford opportunity for the study and public performance of the best in ensemble music.

Campus Organizations

The Associated Students. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing group

composed of class presidents and chairmen of other organizations representing various activities of campus interest.

*Associated Men Students and
Associated Women Students* } These organizations consist of and promote the special interests of the men and women respectively.

Student-Faculty Council. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for further consideration and action.

Class Organizations. Each of the four college classes is organized for the purpose of promoting class social life.

Phi Beta Kappa. The Pomona Chapter of Phi Beta Kappa is the Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

Honor Societies. Ghosts; Mortar Board; Gamma Chapter Alpha Kappa Delta, Sociology Fraternity.

Departmental Organizations. Women's Athletic Association; El Circulo Espanol, Le Cercle Français.

Musical Organizations. Men's Glee Club; Women's Glee Club; Music Club; Symphony Orchestra, Symphonic Band, Chamber Music Groups.

Religious Organizations. The Religious Council which comprises Student-Faculty committees on religious activities.

Miscellaneous Organizations. Masquers and Thespians, in Dramatics; Orchesis, in Dancing; Verse Choir; Camera Club; Chess Club.

Local Social Fraternities. Alpha Gamma Sigma; Kappa Delta; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Tau. The fraternities have been suspended for the duration of the war.

Publications

The stated publications of the College are issued as numbers of the Pomona College Bulletin, which is published monthly (except July and August). These include: The Annual Catalog, the Report of the President, The News Letter for Alumni, and the Quadrangle News.

The Journal of Entomology and Zoology is published under the auspices of the Department of Zoology.

Student Publications

The Student Life is published twice a week by the student body and is devoted to campus affairs.

The Metate is the yearbook published by the Associated Students.

The Sagehen, a magazine of humor, appears three times a year.

The Hand Book, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

SUPERVISION OF CONDUCT

Half the educational cost at Pomona College is borne by the State, some from endowment or by special gifts to the institution. Admission to the college in itself confers upon each student, in addition to any special awards he may win, an annual scholarship of at least \$300. Conscious of its deep responsibility in the administration of the funds that have been entrusted to it, the college reserves the right to request the withdrawal, without specific charges, of any student who for any reason, in the judgment of the faculty or of its properly constituted committees, is felt not to be a desirable member of the student body.

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments.

In the government of the College, the largest liberty consistent with good work and orderly conduct is allowed. Students are expected to show both within and without the College such respect for order, morality, personal honor, and the rights of others as

good citizenship demands. Failure to do so will be sufficient cause for removal from the College.

The use or possession of alcoholic liquors of any kind whatever on the campus is prohibited by the College, and the campus use of such may subject the student to the application of the foregoing paragraphs.

The Committee on College Life exercises the authority of the College over all students individually with respect to personal conduct, and over student organizations which bear the name of the College, or which represent the College in any way.

Individual or collective student enterprises which involve the absence of the participants from the College, while using the College name, must receive the official sanction of the Committee on College Life.

Absence from Campus

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college values are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

Automobiles

Rules governing the use of automobiles are formulated and administered by the College Life Committee. Students maintaining cars in Claremont are subject to the following regulations.

Student drivers must at all times, both on and off the campus, exercise particular care and consideration for the safety of themselves and others.

Student drivers must acquaint themselves with the state and local traffic laws and comply with their observance.

Students driving cars in Claremont are required to carry public liability insurance in the amount of ten and twenty thousand dollars in approved companies. Evidence that the owner of the car holds such an insurance policy extending beyond the end of the college year, together with the license number of the car, must

deposited with the office of the Dean of Students at time of registration or within three days after the car is driven in Claremont.

Failure to comply with the above regulations shall constitute an offense against the College, the penalty for which may include confiscation and storage of the car at the student's risk and expense for a period not beyond the end of the term in which the offense occurs.

DEGREE REQUIREMENTS

Pomona College awards but one academic degree, that of Bachelor of Arts, which may be attained either in ordinary or in honors. The special procedure in honors study is given on page 69. It is generally understood that the degree is awarded only to students who have completed not less than four terms of study in Pomona College and it is required that except by special permission of the Classification Committee the entire senior year must be spent in residence.

All Freshmen entering Pomona College beginning with the autumn term, 1944, must make a tentative choice of a major field of concentration during the Freshman year and a definite choice at the end of the Sophomore year. During their first two years students will be expected to complete the basic courses required by the department or departments of their choice.

For such concentration the candidate for the degree must complete not less than 24 hours of work in courses numbered over 100 in his specific field. Concentration does not necessarily mean a major in a single department, but may involve any combination of courses in various departments which constitutes a significant and unified program and is duly approved. Such a program should be one which gives the student experience in a specific field, sharpens maturity of thought and independence of judgment. In many cases concentration will also be preparation for professional study or other specialized training after graduation.

Each student's program of concentration shall culminate in a final written comprehensive examination over the entire field in which he has concentrated. The student must pass this examination in order to qualify for graduation.

For concentration in most fields a reading knowledge of at

least one modern foreign language is necessary; in many fields a command of two is desirable. It is to the advantage of the student to acquire as much as possible of this reading knowledge before entering college, and whatever additional training needed should be taken early in his college course.

Unit Requirements

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation or lecture period, or one laboratory period a week for one term. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in eight terms one must take an average of fifteen units of academic work throughout.

Grade Point Requirements

In order to graduate, a student must not only earn a certain number of units, but also attain an average of at least C grade on all units for which he has registered, or twice as many grade points as units.

Grades and grade points are as follows:

- A (excellent) = 4 grade points per unit.
- B (very good) = 3 grade points per unit.
- C (average) = 2 grade points per unit.
- D (passing) = 1 grade point per unit.
- F (failure) = 0 grade points per unit. May be made up to a D.
- FF (failure) = 0 grade points per unit. May not be made up except by repeating course.
- I (incomplete)
- W (withdrawn with permission)

All F, FF, and I grades reported by instructors must be accompanied by a specific statement in writing of the cause for the failure, and detailed statement in case of the F or I grade of the work necessary for its removal. A copy of this statement is given to the student. Except in certain year courses in which, if the instructor so recommends, the deficiency may be removed by the successful completion of the work of the following term, all conditions for removing I and F grades must be met within seven weeks of the beginning of classes of the following term, or such

grades will become failures. An F grade made up thus may not be raised above a D grade. An F grade not so made up remains permanently upon the records as a failure. A FF grade can be made up only by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated when next offered. A student may not continue with work in which he has received a FF. The making up of work which has received the F or FF grade does not expunge the grade from the record. It does permit credit and "grade points" for the course.

The I mark given where illness on the part of a student justifies the granting of additional time for the completion of work, may be changed to whatever grade the student earns. Instructors wishing to give an I grade for other justifiable cause than illness must first receive permission to do so from the Classification Committee.

The mark W is used where a student has withdrawn from a course in accordance with provision on page 66.

Requirements for Graduation

Units: A total of 126 units of C average including six units of Physical Education Activities, four of which must be taken the first two years and two in the last two years of the course.

Distribution: Work in two departments of each of the three following divisions:

I	II	III
Art	Astronomy	Economics
English	Biology	Education
Chinese	Botany	Geography
French	Chemistry	Government
German	Geology	History
Greek	Mathematics	Oriental Affairs
Italian	Physics	Physical Education
Latin	Military Science	Religion
Music	Psychology	Sociology
Philosophy	Zoology	
Public Address		
Spanish		

By the end of the Junior year, a student must have completed year's work of not less than four units in each of two departments in each of the three divisions (six departments in all).

Not more than a total of 52 units in any one department can be counted for graduation.

Upper Division Work: 36 units of work in courses numbered above 100, of which at least 12 must be in one department.

Constitution: Prior to graduation, all students are required by the laws of the State of California to complete a course and pass an examination on the Constitution of the United States. The courses meeting this requirement are: Government 2a, 15a, and History 55a, b. Those students who have not completed the Constitution requirement for graduation by the opening day of senior year must register for a course meeting this requirement during the first term of senior year, save as exceptions may be made by action of the Classification Committee.

Graduation Fee: Every student expecting to graduate at the end of any given term must so indicate on his registration card for that term, and must include the graduation fee with the payment of other fees at the time of such registration. Failure to indicate such expectation or thus to pay the graduation fee will automatically exclude from graduation that term.

ACADEMIC REGULATIONS

Amount of work: The College regulates the amount of work a student may carry as follows:

The normal registration is 16 units of academic work plus Physical Education. In addition a student may elect for credit Military Drill and two of the following: Band, Choir, Orchestra.

To register for 17 units of academic work, a student must have earned 32 more grade points than the total number of units for which he registered the previous term; to register for 18 units he must have earned 48 more grade points.

To register for less than 12 units of academic work requires special permission.

Quality of work: A student is expected to secure each term at least twice as many grade points as the total number of units for which he registered.

Near the end of the first five weeks and near the middle of each term a report is made of all students doing failing or unsatisfactory work.

ory work for the period preceding the date of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good academic standing. Advisers and deans receive such reports and take such steps as are advisable in each individual case.

At the end of each term a complete report is made on every student. This report becomes part of the student's record and indicates his standing in the courses for which he has been registered. Whenever the quality of a student's work declines to such an extent that his graduation in due course seems improbable, he and his parents are so informed. The college may at any time require the withdrawal of a student if the quality of his work seems to warrant such action. Decision in every such case is reached by the joint action of the College Life and Classification Committees in consultation with the student's adviser.

Dismissal from Courses: A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or F for the course and an annotation reporting the fact of his having been dropped, shall be turned in to the Registrar's Office.

Class Attendance: Students are expected to maintain regular attendance at all class appointments in the courses for which they are registered.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

Final Examinations: Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty.

The schedule of final examinations is prepared by the Courses and Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee and on the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Committee.

Field Trips: Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is se-

cured by instructors from the Courses of Study Committee at opening of each term. Instructors certify to the Registrar's Office the names of students participating in these trips.

Pre-Registration and Registration

Pre-registration is normally conducted on appointed days shortly after the publication of the catalog in the spring when students must fill out a schedule listing their choice of subjects for the following year. The fee for any change in this pre-registration is one dollar.

Pre-registration and registration of new students are conducted on announced days at the opening of each term.

Registration is completed by the payment of tuition and fees on appointed days at the beginning of each term.

The fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

Students are admitted to those courses only for which they formally registered.

Students are not received later than two weeks from beginning of class work.

Changes in Registration

Upon application to the Registrar's Office and with the approval of his adviser and the instructor concerned, a student wishing to modify his schedule of studies by addition or substitution of courses may do so within two weeks of the beginning of class work. All students except those registering for the first time are required to pay a change fee of one dollar. No change of registration is completed until written authorization to that effect has been sent from the Registrar's Office to the instructor.

A student may withdraw from a course within six weeks following the beginning of class work by following the procedure prescribed by the Registrar's Office. Thereafter, the dropping of a course by a student shall entail for him a grade of FF for that course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a different grade.

Matriculation

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the

ding of all students is provisional until after they have been in residence for one term. At that time those new students are matriculated who have shown themselves in accord with the spirit of the College and who have made at least a C average on all work attempted during their term of residence. A public matriculation ceremony is held early in the spring term.

Students failing to matriculate at the end of their first term of residence may be matriculated at the end of any subsequent term provided they have met all the above requirements including a C average on all work attempted during their whole period of residence.

Students are not candidates for a degree until they have matriculated.

The Faculty Regulation on English

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Faculty members are expected to report to the Faculty Committee on English all students whose use of English is unsatisfactory. On the recommendation of this Committee, a student whose English is persistently unacceptable may be required to withdraw from the college at the end of any term by the joint action of the College and Classification Committees. Habitual and flagrant mis-spelling is considered a deficiency in English to which this regulation applies.

CURRICULUM

Pomona College believes in a broad training as the best preparation for life. It feels that students should have a knowledge of many subjects in the humanities, the sciences, and the social sciences. For this reason the college prescribes no narrow course and encourages its students to select work in a number of fields. Faculty regulations require a wide distribution between departments in the student's first two years.

Juniors and seniors may elect to continue with a general course or choose a major in a department or a division. Information on departmental majors will be found with the course announcements.

ments of each department. Honors work in a division or a department is available for juniors and seniors of superior ability wish to pursue independent study.

Faculty Advisers

Each new student is assigned to a faculty adviser, with whom he works during his first year in college. At the end of that year the student and the adviser, in the light of the student's interests, decide on the faculty member with whom the student will work during the remainder of his college course. If at any later time a change is deemed wise it is made through the Personnel Committee.

Concentration in Special Fields

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

1. Preparation: There must be sufficient basic work (courses numbered 1 to 99) in the special field and in allied fields to ensure adequate preparation for carrying successfully the advanced work.
2. Concentration Requirement: Not less than eighteen hours of work in courses numbered over 100 in the field of concentration; six of these eighteen hours must be in courses numbered over 150, and six of them must be taken during the Senior year.
3. Foreign Languages: For advanced work in most fields reading knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is desirable. It is to the advantage of the student to acquire this reading knowledge before entering college.
4. Comprehensive Examination: In most fields the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration

Graduate Work in Claremont Colleges

Graduate work in literature, in the social sciences, in biological and physical sciences, in philosophy, psychology, religion, and in the fine arts and music, along with professional work in public school education and in psychology is conducted by Claremont Colleges using the combined staffs of Scripps College and Pomona College as well as its own appointees. This work is usually characterized by an informal mode of instruction.

only in an institution where the standards are high and the number of students is limited. A catalog of graduate seminars will be furnished upon request to the Director of Studies, Claremont Colleges, Claremont, California.

Three Year Program of Upper Division and Graduate Work

To enable Junior College graduates and others who enter with advanced standing to continue their education on the basis of a three-year program leading to the Master's degree as well as to the bachelor's degree, Pomona College and Claremont Colleges have joined their offerings so that the closest articulation of undergraduate and graduate study is possible.

HONORS STUDY

Students who show the capacity and the inclination for more than average intellectual achievement may be permitted to study for the bachelor's degree *with honors*. Honors study is aimed at a deeper and more scholarly grasp of one's chosen field than is customary; it is also aimed at broadening one's intellectual life through the discovery and exploration of fields relevant to the special subject of inquiry. Although honors students are not expected to have all knowledge for their province, they are urged to gain, by means of a mature and thorough approach to their studies, a form of intellectual discipline which will be valuable in later life.

To this end, students are encouraged to master a particular (major) field—not necessarily co-extensive with the subject-matter of one department—and inter-relate with that subject an understanding of one or two minor fields. An honors program thus presents a significant pattern of integrated study in two or three different fields in the curriculum; it frees the student's energies by allowing him, through a more flexible use of instruction and courses of study than is usual, to spend a considerable portion of his time in independent study. Released from as much academic routine as his instructors may approve, an honors candidate thus assumes responsibility for a profounder and wider knowledge than is expected of the ordinary student. He will be admitted to honors status only upon the basis of a record which shows promise

of competency to carry on work of high quality; he will be continued only if he exercise initiative and self-direction, place scholarship consistently first among his interests, and maintain a high standard of scholarship in his honors program as well as in his other work. Successful demonstration of such achievement is as for in written and oral examinations taken at the end of the candidate's Senior year.

Conduct of Honors Programs

General administration of honors work is vested in the Courses of Study Committee. The major and minor fields of candidacy for honors may lie (a) within one of the three Divisions of curriculum: the Humanities, the Natural Sciences, or the Social Sciences. Each of these Divisions supervises the programs of study of the candidates working within it. The Division lays down general rules as to seminars, research projects or theses they may be indicated, or reviews the regulations of the departments within the Division in this regard. In certain cases, however, the fields of interest of a prospective candidate may lie (b) in departments not included in the same Division. Such a student may apply to the Courses of Study Committee for admission to candidacy with an inter-divisional program. If his choice of fields and proposed course of study be intellectually sound, the program may be approved by the Courses of Study Committee and carried out under its direct supervision.

Considerable freedom is allowed in the definition of fields. A candidate may adopt a relatively broad approach, surveying the whole scope of the subjects comprised in his major and minor interests with appropriately intensive work in some part or parts of them, the whole managed in such a way as will insure depth as well as breadth of knowledge. Or, on the other hand, he may limit his field (s), so as to concern himself primarily with a relatively more narrow period or aspect of his allied subjects. Since the very essence of honors work is the promotion of independent scholarly endeavor of high quality, the specific definition of field will generally be determined by cooperative discussion between the student and the Division, or the Courses of Study Committee as may be appropriate.

Application for Honors

Normally at the end of the Sophomore year (but not later)

At the beginning of Senior year) a student may apply for candidacy for the degree with honors. The application form, obtainable from the Registrar or the Secretary of the Courses of Study Committee, should set forth a program of honors work formulated with the approval of the faculty member(s) with whom the candidate plans to study. If the past academic record of the candidate is of high quality, and if his program meets the requirements of the Division involved (or of the Courses of Study Committee in cases of inter-divisional programs), the application may be accepted by the Division and then by the Courses of Study Committee. An adviser (or advisers), under whose immediate guidance the student will carry forward his honors work, will be appointed by the Division or the Courses of Study Committee. Individual requirements in courses pursued outside the honors scheme are set by the instructors concerned. Copies of the program of a candidate for honors should be filed with his adviser(s), with the secretary of the Division involved, and with the Courses of Study Committee. The candidate's registration must be approved each semester by his adviser and by a member of the Courses of Study Committee. He is expected to give a considerable portion of his time to independent study; throughout his Senior year, a candidate must devote at least one-third of his program of studies to honors work or its equivalent. An honors student will not, therefore, be permitted to vitiate the honors scheme by carrying a full course-load in addition to his schedule of independent study, nor will he be allowed to use the honors plan merely as a device for accumulating credits or hours toward graduation.

Withdrawal from Honors

A candidate for the degree with honors may withdraw from candidacy at his own request with the approval of the Division concerned and the Courses of Study Committee. In case the performance of a candidate falls below a standard of high quality either in his honors work or in his courses, he may be withdrawn from candidacy by the Courses of Study Committee. If, for any reason, a candidate leaves the honors status, the Division concerned shall certify to the Courses of Study Committee the credit grade to which the student is entitled for work done under supervision.

Honors Examinations

Evidence of the success of the candidate in his honors work is measured by written and oral examinations administered toward the close of Senior year. Each Division assembles questions from participating departments to form the various parts of Divisional examination; it determines, in cooperation with Courses of Study Committee, the dates for such written examinations and conducts them. The candidate writes on such parts of the Divisional examinations as relate to his program of honors work. In the case of inter-divisional programs, the candidate writes on such parts of the various Divisional examinations as may be appropriate.

In addition to the written comprehensive examinations, a candidate for honors will take an oral examination, the purpose of which is to supplement the examinations previously taken. In it, the candidate is responsible for the entire scope of his honors study. Each oral examination is administered by a board set up cooperatively by the Division concerned and the Courses of Study Committee. This board of examiners, which consists of at least three members drawn from the fields in which the candidate has done major or minor work, shall also include the candidate's adviser. The Courses of Study Committee shall delegate one of its own members to act as chairman of each oral examination. It may also, upon nomination from the appropriate Division, appoint a suitable "outside" examiner not on the Faculty of Pomona College.

A candidate taking courses outside his honors program is, however, subject to the ordinary requirements with regard to examinations in such courses. He may be exempted at the discretion of the instructors concerned from taking course-examinations included in the fields of his honors program.

The Degree with Honors

After having received the reports of the examiners, the adviser's comments, and other relevant evidence, the Division concerned (or, in the case of inter-divisional candidates, the Courses of Study Committee), assesses the candidate's performance and recommends to the Courses of Study Committee the academic grade and credit to which the candidate is entitled for his honors work and the class of honors which, in its judgment, he merits. A

Considering the evidence presented, the Courses of Study Committee certifies to the Registrar the academic grade and credit which the candidate has earned, and recommends to the Faculty that he be awarded the bachelor's degree *with honors, high honors, or highest honors*, as may be appropriate. Such honors, when voted by the Faculty, are announced in the Commencement program and recorded upon the graduate's diploma.

A student who does not merit honors but whose credit warrants graduation, will be recommended by the Courses of Study Committee for graduation in course (*rite*).

DIVISION I

Honors Study in the Division of the Humanities

In Division I there are available two types of Honors programs for qualified students whose special fields of interest lie in this division:

Departmental honors, intended for students whose interests lie in some one department. Most departments are prepared to supplement their course offerings by special work, suited to the varying needs of individual students. Interested students should consult instructors in their departments for assistance in working out an acceptable program which will meet their particular needs.

Divisional honors, intended to allow students an opportunity to do more mature, independent and concentrated work than is available in ordinary courses; but at the same time to avoid the more restricted specialization of departmental honors. To this end a number of special offerings in Honors have been arranged so that students may secure a balanced and integrated introduction to the whole field of the Humanities. Students interested in divisional honors should consult a member of the faculty teaching Division I for information about the honors programs.

DIVISION II

Honors Study in the Natural Sciences and Mathematics

Honors work is available in the individual departments in this division, and the departments should be consulted by interested students.

Honors Study in the Social Sciences

Concentration in field: The student working for honors in the social sciences will undertake integrated sequences of study in two departments, one of which shall be his major and the other his minor field of concentration. In each department he will complete the basic course.¹ In his field of minor concentration he will, in addition, complete an advanced course or courses involving semester hours of credit and including a reading course designed to effect an integration of his major and minor fields. He must maintain a "B" average in the social sciences, will complete semester hours in courses numbered over 100 in the field, of which at least 12 must be in courses numbered over 150, and will include courses 191 and 192 in the department of major concentration.

Foreign Language: Usually by the beginning of the Junior year but not later than the middle of his Senior year, the student is required to file with his Adviser a written certificate of ability to read French or German, issued by a member of the faculty designated to examine in those languages.

Comprehensive Examinations: The work of a candidate for honors terminates in written and oral comprehensive examinations, administered by the social science faculty. The written examination consists of two parts: (1) one designed to test his knowledge of his field of minor concentration, and (2) one intended to review his mastery of the field of his major concentration. The passing of both parts of this examination will exempt the student from the final examinations in social sciences at the end of his Senior year. In his oral examination the student is examined by representatives of the departments of his major and minor fields of concentration.

¹Economics 51, Government 2, History 1, Religion 5 and 6 or 103, Sociology 51.

SUGGESTED PROGRAMS

The Courses of Study Committee has prepared a series of suggested courses for students who wish to enter certain professional fields.

PRE-MEDICAL COURSE

Certain subjects have been designated by the Council on Medical Education of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the leading medical colleges, however, have requirements well beyond this minimum, and are selecting only those who are well prepared and have demonstrated the highest scholastic ability and laudable personal traits. Pre-medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build, in more leisurely fashion, a broad educational foundation. Breadth of view, culture, and a thorough grounding in the biological and physico-chemical sciences are the objectives of the pre-medical course. It is important to note that these objectives are stressed by all medical colleges.

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of most of the medical colleges in the United States. It may readily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical college and the special needs of individuals.

freshman Year: English 1a, 1b
Chemistry 53a-53b, 55a-55b
Biology 1a-1b
History 1a-1b

sophomore Year: Chemistry 103a-103b, 104a-104b
Zoology 54, 117
Mathematics 1a-1b
Electives from social sciences,
and philosophy or religion

junior Year: Chemistry 57
German 1a-1b
Zoology 115
Electives

Suggested Programs

Senior Year: Physics 51a-51b, 52a-52b
Electives

Strongly Recommended Electives: Genetics, Advanced German, o
Elementary French

Recommended Electives: Biochemistry, Calculus, English Literature
Histology, Psychology, Social Sciences, Spanish

Most medical colleges require a reading knowledge of either French, German or Spanish, with a preference for German. Students planning to study medicine should anticipate these requirements by taking some language in high school with the view toward completing at least one year in college. In addition students should consult with their adviser to determine the proper time to take the Medical Aptitude Test, passing of which is an entrance requirement of most medical colleges.

PRE-ENGINEERING PROGRAM

Those looking forward to entering an Engineering school will find it advisable to take a program which will enable them to secure the well-balanced liberal arts training that many technical schools recommend, and at the same time do a considerable part of the work required by those schools.

Freshman Year: English 1a-1b
Mathematics 1a, 1b
Engineering Drawing 7a, 7b
Chemistry 53a-53b, 55a, 55b
Electives

Sophomore Year: Mathematics 65a, 65b
Physics 51a-51b, 52a-52b
Engineering Drawing 59, 60
Electives

Junior and Senior Years: Physics 111a-111b, 113a-113b, 151a-151b
Mathematics 151a, 151b
Electives to meet requirements for
graduation

It is assumed, of course, that electives will be so chosen as to meet upper division requirements and divisional requirements.

strongly recommended that the electives include some courses in the following departments: Economics, Government, Biology, Astronomy, Physics, Mathematics, Chemistry. The electives would depend upon the field of engineering selected. Those expecting to do graduate work in this field should have working knowledge of German or French, or both.

SOCIAL WORK

In normal times persons who expect to enter social work as a profession will find it necessary to have a degree from a graduate school in social work; otherwise the regular social work agencies will not employ them. There are, however, several closely related fields (such as probation work with young offenders, Red Cross work, etc.) in which college graduates are accepted if they have had a thorough undergraduate training in the social sciences, particularly sociology and psychology, and are willing to accept an apprentice status for a few months until they have proved their ability.

At wartime, however, many social agencies that would not otherwise do so are accepting college graduates with a good background in the social sciences, but who have had no graduate training.

Students looking forward to graduate training in the field of social work will find it decidedly advantageous to take, sometime during their undergraduate years, as many of the following courses as possible:

Sociology 51, 107, 108, 109, 110, 152, 153, 191
 Psychology 51 or 53, 103, 108, 154, Scripps IV-11
 Education 101
 Economics 51
 Mathematics 58

Other courses which contribute substantially, even if somewhat indirectly, to the field of social work are:

Government 2, 102
 History 1, 55
 Biology 107
 Chemistry 114
 Psychology 156
 Spanish (for those expecting to work in the south-western states)

COURSES FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to supply the general background that an intelligent citizen should have regarding one of the most important of our social institutions and at the same time prepare the prospective teacher for the more technical training in the graduate school.

Certificates: In California every public school teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon the presentation to the county board of education of a credential issued by the state board of education through its commission on credentials.

It is the policy of Pomona College to encourage students preparing for teaching to supplement their undergraduate course with additional work at Claremont Colleges or at some other graduate school. The recommendation for the credential then goes directly from the graduate school, using as a foundation the undergraduate curriculum pursued at Pomona College.

Claremont Colleges is authorized to recommend candidates for the following credentials: General Elementary; Junior High School; General Secondary; Junior College; Special Secondary in Art, Health Education, Music, Physical Education; Administration and Supervision; Child Welfare and Supervision of Attendance. In addition, Claremont Colleges offers work to satisfy wholly or in part requirements for various other credentials issued by the State Department of Education.

Inasmuch as requirements vary considerably for different credentials, students who expect to enter the teaching profession in California should consult the Education Department (Room 8 Holmes Hall) concerning these requirements as soon as possible after admission.

- Freshman Year:** Academic courses preparatory to the credential interview.
- Sophomore Year:** Education 53, 54 (with permission, may be entered Freshman Year)
 Psychology 51 or 53 (with permission, may be entered Freshman Year)
 Further work in the subject matter to be taught
- Junior Year:** Education 101, 102, 104a, b
 Psychology 107
 Further work in subject matter to be taught or in related fields.

Suggested Programs

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or Year: Education 104a, b, (if not taken in Junior Year) and 187
Selections from Junior and Senior Year Electives and from subject matter fields.

or and Senior Year Electives:

Philosophy 155 (not offered in 1944-45)
Physical Education 123, 124, 126
Psychology 103, 108, 132, 156
Public Address 52a, b
Nursery School Theory and Practice—
Scripps IV-14
Sociology 51a, b

COURSES FOR PROSPECTIVE TEACHERS OF PHYSICAL EDUCATION

This program, followed by a year of graduate work in Claremont Colleges, will qualify the student for the general credential in a major in physical education. It will also qualify the student for advanced work in physiotherapy, occupational therapy or rehabilitation in the Army or Red Cross Service.

Freshman Year

	Units
English 1 _____	6
History 53 _____	6
Psychology 1 _____	6
Physical Education 5 _____	3
Electives _____	8 or 10

Sophomore Year

	Units
Zoology 51 and 53 _____	8
Sociology 51 _____	6
Psychology 51 or 52 or 53 _____	4 or 6
Music 53 _____	4
Electives _____	13 or 15

Junior Year

Public Address 52 _____	4
Psychology 107 _____	3
Physical Education 126 _____	3
Physical Education 123, 124 _____	4
Physical Education 119 _____	
(or women) _____	4
Psychology 53 _____	3
Electives _____	8 or 9

Senior Year

Physical Education 191 _____	
(for men) _____	4
Physical Education 129 _____	3
Physical Education 154 _____	3
Physical Education 152 _____	3
Chemistry 114 _____	4
Psychology 108 _____	3
Electives _____	15

6 units of required Physical Education Activities

It is suggested that the required Physical Education activities be selected as to give the individual opportunity for both

technical skills and leadership training in a wide range of activities.

A reading knowledge of French and German is highly desirable for any students who plan to go on to graduate research in Physical Education.

A non-credit Camp Counselor's Training Course for women is held for a two-week period immediately following Commencement. This course aims to provide its members with experience useful in camping and other types of leadership, such as teaching and community recreation.

PUBLIC SCHOOL MUSIC

All courses necessary for the training of public school music teachers are given in Pomona College except the advanced courses in education and the teacher training courses. These are offered by Claremont Colleges, through which institution the state credential is obtained. The courses which should be taken at Pomona College are harmony (Music 1 & 55), counterpoint (Music 107), form and analysis (Music 159), history of music (Music 104), orchestration (Music 113) and at least the basic course in education (Education 53).

It is expected that each student wishing a credential should also take a full course in some branch of applied music (piano, organ, violin, voice, etc.) and present a senior recital.

COURSES OF INSTRUCTION

Elementary courses numbered below 50 are given in the freshman or sophomore year. Courses numbered 50 to 99 are either those which follow the course of the previous year, or are the more advanced beginning courses. Courses numbered over 100 are for Juniors and Seniors and may not be entered by students without previous work in the same field.

When course numbers are connected by a hyphen they cover a common subject and the entire sequence should be taken.

When course numbers are connected by a comma, independent credit is given for the work of the first term. Entrance to the second term is by permission of the instructor.

Any course may be withdrawn if the enrollment is less than five. Except by special permission, credit for only one unit of work in a course is not allowed.

All courses are three units each unless otherwise designated.

Courses in Scripps College

Following the departmental offerings of Pomona College are listed certain courses in Scripps College open to Pomona Juniors and Seniors under approved conditions. Each regular student in attendance in Pomona College shall, however, select not less than one-half of his registration each academic year from courses in Pomona College.

Divisions

Division I Humanities

Art, Chinese, English, French, German, Greek, Italian, Latin, Music, Philosophy, Public Address, Spanish

Division II Natural Sciences

Astronomy, Biology, Botany, Chemistry, Geology, Mathematics, Military Science, Physics, Psychology, Zoology

Division III Social Sciences

Economics, Education, Geography, Government, History, Oriental Affairs, Physical Education, Religion, Sociology

Art

Students wishing to concentrate in Art as their major subject the B.A. degree may elect courses in Design, Drawing, Painting, Sculpture and pre-Architecture. A theoretical knowledge of these fields is desirable and practical work should be taken in each of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization. The student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year the student taking Honors in Art will have a separate exhibition of his work of that year.

For each unit of credit in Art, except in courses 51 and 52 there is required a minimum of one hour of assigned reading and two hours of studio work per week. Students are urged to postpone these periods when other work permits.

The total number of hours of Applied Art accepted toward graduation is 16, so distributed as not to exceed 8 hours in courses numbered under 100. In courses where lecture and laboratory work are combined, the work is counted half theory and half applied.

Special fees for work in applied art are as follows: courses numbered 9, 65, 107, 162, \$12.50 per unit. All other courses \$5.00 per unit.

3a, 3b. Design and Drawing.

Mr. Be

The study of order in the graphic arts. The appreciation of form and its expression in pencil and charcoal. In the second semester an understanding of color and its use in composition, 2 units. TTh, 1:15 to 3:05.

9a-9b. Sculpture.

Mr. Jure

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. TTh, 1:15 to 3:05. WF, 3:15 to 5:05.

51a-51b. History of Art.

Mr. Be

Study of the historical development of art with especial attention to national genius and expression. The Classic, Early Christian, Byzantine and Medieval Periods will be studied in the fall term and Renaissance, Baroque, Neo-Classic, Romantic, Realistic and Contemporary Art in the spring term. MWF, 9.

61a, 61b. Figure Drawing and Graphic Design.

Mr. Be

The rendering of form, particularly the head, in charcoal, lithograph crayon and water color. This is related in the spring term to industrial, commercial or fine art problems according to individual preference. 2 units. TTh, 1:15 to 3:05.

- 65b. Advanced Sculpture. Mr. Jurecka
Problems in applied ornament. Portrait study from cast and living model. Studio methods; casting and armatures. 2 units. TTh, 3:15 to 5:05.
- a-103b. Life Drawing. Mr. Beggs
Anatomical function and the construction of the human form. Prerequisite 61 or equivalent. 2 units. (Omitted in 1944-45.)
- a, 105b. Advanced Figure Drawing and Graphic Design Mr. Beggs
2 units. TTh, 1:15 to 3:05.
- a-107b. Sculpture from Life. Mr. Jurecka
Modeling from life. Figure, portrait in the relief and in the round. Laboratory and related work. 2 units. WF, 1:15 to 3:05.
- a, 112b. Renaissance and Baroque Art Mr. Baumann
Following an analysis of the basic differences between Renaissance and Baroque in Italy and Western Europe, attention is paid to national characteristics and the influences bearing upon them as well as to the particular achievements of great artists from the 15th to the 18th century, such as Michelangelo, Dürer, Rubens, Velasquez, Rembrandt, et al. 2 units. MW, 11.
- a-120b. Painting. Mr. Beggs
Practice in Still-life and Landscape is adapted to a study of the techniques of various historic schools of oil painting. These are explained by means of a system of set palettes which afford an understanding of painting principles and an opportunity for the development of individuality of manner. 2 units. TTh, 3:15 to 5:05.
- a-162b. Advanced Sculpture from Life. Mr. Jurecka
Advanced composition in both relief and the round. Development of original conceptions. Study of color effects in sculpture. Laboratory and related work. 2 units. M 1:15 to 5:05.
- 5a, 185b. Problems in Applied Art. Mr. Beggs
Opportunity is given for the pursuit of individual projects in the graphic arts to suit the interest and ability of the student. 1 to 3 units. WF, 3:15 to 5:05.

Available at Scripps College

21. Advanced Painting. Mr. McFee
One or two year course. TTh, 1:15-4:10 and arranged.

II-22. Textile Design.

Mrs. Ste

One or two year course. MWF, 1:15-4:10.

II-23. Ceramics.

Mr. M

One or two year course. MWF, 1:15-4:10.

II-30. Sculpture.

Mr. Ste

Year course. Prerequisite: Art 3a-b and 9a-b, or Art 9a-b 65a-b. TTh, 1:15-4:10 and Arranged.

II-41. Architectural Design.

One or two year course. TTh, 1:15-4:10, and arranged.

II-45. Art and Architecture.

TThS, 8.

Graduate work in the history of art and architecture and in ap art is available under the auspices of Claremont Colleges.

Astronomy

The general prerequisites for upper division courses or for con tration in the department are Astronomy 51, its equivalent, satisfactory preparation in physical science.

51a-51b. Introduction to Astronomy.

Mr. Whi

A descriptive study of historical and modern astronomy prese in non-technical form. An acquaintance with the starry hea is sought and an appreciation of man's relation to the surroun universe. Regular evenings with the telescopes at the Brac Observatory are supplemented by project assignments and excursions. Classroom two hours per week; observatory, etc. period per week. For students with satisfactory preparation physical science, additional work in class and laboratory is offe giving 1 additional unit of credit; the extra time to be arran Laboratory fee \$3.00 per term. 3 or 4 units. MWF, 11.

61. Weather Elements.

Mr. Whi

An introduction to the fundamentals of Meteorology. Studie cloud formations in relation to current weather and observat with the Weather Bureau instruments at the Brackett Observa provide a practical approach to weather analysis and forecast Laboratory fee \$2.00. 2 units. Each term. Time arranged.

103. Navigation.

Mr. Whi

A basic course in the principles and practice of Marine and

navigation. Observations of sun, moon, and stars with sextants and transits of different types, and use of the latest almanacs and navigation tables provide practical experience in solving the navigator's problems. 3 units. Each term. Laboratory fee \$3.00. Class TTh, 1:15. Laboratory arranged.

Celestial Mechanics.* Mr. Whitney
A short course in the application of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems on the prediction of eclipses and occultations and on the computation of the orbits of comets. 3 units. Term and time arranged.

Astrophysics.* Mr. Whitney
Considers the applications of the principles of modern physics and chemistry to a study of stellar and cosmic problems and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations are both visual and photographic. Classroom one hour; observatory two periods. Laboratory fee, \$3.00 per term. 3 units. Term and time arranged.

Investigations in Astronomy. Mr. Whitney
A unified program of investigation is followed in some special field such as variable stars, lunar studies, solar phenomena, etc. Each term, 1 to 4 units. May be repeated for credit. Laboratory fee, \$2 per unit per term. May also be elected for advanced study in navigation. Arranged.

155 and 156 are offered for majors in the department and students with satisfactory preparation in mathematics and physics. Term and time will be arranged in accordance with the demand.

Graduate work in Astrophysics and Navigation is available under the auspices of Claremont Colleges.

Biology

A student emphasizing biological science is ordinarily expected to have Biology 1, followed by an integrated program in either Botany or Zoology or both. A reading knowledge of German and French and some training in the physical sciences are also expected, according to the needs of the individual.

1b. General Biology Staff
A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany, or zo-

ology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the project method will be fitted to the preparations, needs, and interests of individuals or groups. Laboratory fee, \$6.00 each term. Class M and W, F. 11; laboratory, field trip, or demonstration M,T,W,Th or 1:15-4:10.

105. Bacteriology. Mr. Pequegnat and Miss Kello
General study of important bacteria, methods of culture and study and their importance in disease and agriculture. Prerequisite: one year of biological work. Laboratory fee, \$8.00. Breakage deposit \$5.00. Spring term. 4 units. Class, arranged; laboratory, T 1:15-4:10.

107. Genetics. Mr. Benson
A non-laboratory course covering modern developments in the study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems and discussions. Prerequisite: one year of biological work. Fall term MWF, 8.

108. History of Biology. St.
A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to those who have had a year of biological work. Spring term. 2 units. Arranged.

The scientific collections and library available at Claremont, well as the geographic location, make desirable certain types of work for the master's degree, particularly in Entomology, Neurology, certain phases of marine and desert Ecology, Anatomy, Plant Morphology, and Plant Taxonomy.

Botany

5. Field Botany. Mr. Benson
An elementary non-technical course in local flora, with much field work. No prerequisite. Laboratory fee, \$3.00. Spring term. 2 units. Class, arranged; laboratory, F, 1:15-4:10.

- 52a, 52b. General Botany. Mr. Benson
An elementary course for those wishing general information concerning

erning plants and their importance to men, as well as foundation work in botany. Special attention will be paid to the plant as a living organism, to field work on ornamentals and natives, and to survey of the plant kingdom. No prerequisite. Laboratory fee \$5.00 each term. Class, TTh, 10; laboratory, T, 1:15-4:10.

History and Uses of Plants.

Mr. Benson

The general nature of the plant, uses of its parts and products, such as spices, fibers, seeds, fruits, wood, latex, etc., with some reference to parts of world and to plant families that have contributed most to economic botany. No prerequisite nor laboratory fee. 2 units. Fall term. WF, 9.

Plant Physiology.

Mr. Benson

A study of physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching of biology, and for botany majors. Prerequisite: Botany 52. Laboratory fee, \$8.00. Breakage deposit, \$5.00. Fall term. Class arranged; laboratory, W, 1:15-4:10. (Omitted in 1944-45.)

a, 155b. Taxonomy.

Mr. Benson

Study of our local flora and more common cultivated ornamentals. Principles and methods of classification and taxonomic work. Much field work with trips for study of plants in their native conditions. Prerequisite: Botany 52. Laboratory fee \$7.00 each term. Alternates with 157. Fall term. Class arranged; laboratory, W 1:15-4:10. Spring term, class, arranged; laboratory, MW, 1:15-4:10. (Omitted in 1944-45.)

. Comparative Morphology of Green Plants.

Mr. Benson

The anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories, evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Botany 52. Laboratory fee, \$7.00. Spring term. 4 units. Alternates with 155. Class arranged; laboratory, MW, 1:15-4:10.

t. Botanical Problems.

Mr. Benson

Special work, largely individual, and primarily for majors in the department. Each term. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. Laboratory fee, \$2.00 per unit of credit. Arranged.

Zoology

6. Field Zoology.

Mr. Pequegn

An elementary non-technical course in natural history of vertebrates. Largely field work, dealing with recognition of common forms, life histories, food habits and ecological factors in distribution. No prerequisite. Laboratory fee, \$3.00. Spring term. 2 units. Class T, 9. Laboratory, Th. 1:15-4:10. (Omitted 1944-45)

51. Human Anatomy.

Miss Kello

A course designed to meet the requirements of majors in physical education. If possible should be taken in conjunction with Zoology 53a. Prerequisite: Biology 1. Laboratory fee \$6. Fall term. Class M, 8; laboratory, MW, 1:15-4:10.

53a-53b. Physiology.

Mr. Pequegn

A general survey of the functions of organ systems and their integration in the organism as a whole. Although some consideration is given to lower animals, particular attention is focused upon the human subject. Designed to fulfill the requirement of students in physical education and pre-nursing curricula, and to increase the scope of majors in the department. Prerequisite: Biology 1. elementary chemistry preferred. Fall term. 2 units, class WF, no laboratory. Spring term, 3 units, class WF, 8; laboratory 1:15-4:10. Laboratory fee, \$6.00. Breakage deposit, \$5.00.

54. General Zoology.

Miss Kello

An outline of the animal kingdom, vertebrates and invertebrates, structure and classification. Prerequisite Biology 1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the department. Laboratory fee, \$8.00. Fall term. 4 units. Class TTh 8; laboratory, TTh 1:15-4:10.

106. Parasites of Man.

Mr. Pequegn

A survey of the important animal parasites which produce disease by their presence in the blood, lymph, skin, intestine and other organs of man. Emphasis on the biology, geographical distribution and epidemiology of such diseases as malaria, sleeping sickness, amebic dysentery and elephantiasis which have assumed a new significance because of the present mass-migrations of human beings. Prerequisite: Biology 1. 2 units. No laboratory. Arranged Spring term.

115. Comparative Anatomy.

Mr. Pequegn

A study of the structure of vertebrates. Prerequisite: Zoology 54 or equivalent. Laboratory fee, \$8.00. Fall term. 4 units. Class TTh, 8; laboratory, TTh, 1:15-4:10.

Embryology. Miss Kellogg
A study of early development and the formation of organs, with special reference to vertebrates. Prerequisite: Zoology 54. Laboratory fee, \$8.00. Spring term. 4 units. Class, TTh, 8; laboratory, F, 1:15-4:10 and three hours to be arranged.

Entomology. Mr. Pequegnat
A general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Zoology 54. Laboratory fee, \$6.00. Spring term. 2 or 3 units. Class, T, 10. Laboratory arranged. (Omitted in 1944-1945.)

Systematic Vertebrate Zoology. Mr. Pequegnat
Consideration of problems involved in systematic vertebrate zoology such as life histories, distribution, migration, general habits, groups of local as well as more general types. Including class work as well as laboratory and field work. One class, two laboratory periods. Prerequisites: Field Zoology or General Zoology. Laboratory fee, \$6.00. Fall term. (Omitted in 1944-45.)

Histology. Miss Kellogg
The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology 53 or 54. Laboratory fee, \$8.00. Fall term. Class, T, 9. Laboratory by appointment. One class, two laboratory periods.

Zoological Problems. Mr. Pequegnat and Miss Kellogg
This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy or Embryology and have had Sophomore work in Zoology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Each term, 1 to 3 units. May be repeated for credit. Laboratory fee, \$2.00 per unit when Laboratory work is involved. Arranged.

The Department of Zoology conducts summer work at the Laguna Beach Marine Laboratory.

Courses of Instruction

Chemistry

NON-TECHNICAL COURSES

1a, 1b. A Survey of Chemical Science.

For students who do not have in mind a scientific career, but wish to gain some knowledge of the physical sciences as part of a general education. (Omitted in 1944-1945.)

114a-114b. Nutrition and Foods.

Miss Sol

A survey of present-day knowledge of the nutritional factors necessary for optimum health, the various classes of food-stuffs and their nutritional value, the food budget, purchasing, and planning the dietary to meet the requirements of different individuals and groups. Open to Juniors and Seniors. No prerequisite. 2 units TTh, 8.

FOUNDATION TRAINING FOR SCIENCE STUDENTS

Note: A comprehensive foundation in chemistry is required for majors in chemistry and in the biological-chemical field, for pre-medical students and for some other fields of scientific work.

The following courses are included in such a program:

Inorganic chemistry: 53a-53b and 55a.

Qualitative analysis: 55b.

Quantitative analysis: 57.

Organic chemistry: 103a-103b and 104a-104b, or 105.

53a-53b. Inorganic and Elementary Theoretical Chemistry.

Sta

Lectures, demonstrations and discussions in which attention is given to the philosophy of the scientific method and to the significance of scientific developments in human affairs, as well as to the more technical aspects of the science of chemistry. This course is to be accompanied by 55. TThS, 9.

55a, 55b. General Chemistry Laboratory and Qualitative Analysis.

Sta

Concurrent with 53a-53b; or 55b may be taken independently. 2 units. The spring term is laboratory practice in systematic semimicro qualitative analysis. Laboratory fee, \$10.00 each term. Breakage deposit \$10.00 per term. Laboratory, ThF, 1:15-4:10.

57. Elementary Quantitative Analysis.

Miss Hanawa

The principles of quantitative analysis and chemical calculation. Laboratory practice in the simpler gravimetric and volumetric methods. Prerequisite: One year of college chemistry with lab

Laboratory. Laboratory fee, \$10.00. Breakage deposit \$15.00. Fall term. Class, S, 8; laboratory, WF, 1:15-4:10.

103b. Organic Chemistry. Mr. Wilson
Lectures, demonstrations and discussions, relating to the chemistry of carbon compounds, including a survey of physical-chemical fundamentals and their application in this field. Practical developments of organic chemistry are stressed. It is expected that laboratory work (104a-104b or 105) shall be concurrent with this course. Prerequisite: At least one year of college chemistry, including laboratory work. MWF, 11.

104b. Laboratory Methods of Organic Chemistry. Mr. Wilson
Reactions and syntheses of carbon compounds. 1 unit each term. Laboratory fee, \$6.00 each term. Breakage deposit \$10.00 per term. Laboratory, T or W, 1:15-4:10.

Laboratory Methods of Organic Chemistry. Mr. Wilson
For students who wish to take Chemistry 57 the first term. Covers in one term the same work done in 104a-104b. Laboratory fee, \$12.00. Breakage deposit \$20.00. Spring term, 2 units. Laboratory, TW, 1:15-4:10.

Advanced Quantitative Analysis. Miss Hanawalt
A continuation of Chemistry 57 for those students who wish to gain a more comprehensive knowledge of the theory and practice of quantitative analysis. Conferences will be held during laboratory periods. Laboratory fee, \$10.00. Breakage deposit, \$15.00. Spring term. Three laboratory periods, WThF, 1:15-4:10.

ADVANCED COURSES FOR STUDENTS CONCENTRATING IN CHEMISTRY AND BIOCHEMICAL SCIENCES

155b. Biological Chemistry. Miss Hanawalt
The chemistry and physical chemistry of materials important in plant and animal organisms, and chemical aspects of the life processes of organisms. Most of the laboratory experiments employ quantitative technic. Prerequisite: General, analytical and organic chemistry. Laboratory fee, \$6.00 each term. Breakage deposit \$10.00 per term. Class, WF 9; laboratory, W, 1:15-4:10.

159b. Physical Chemistry.
A general review of the fundamental physico-chemical concepts and principles with numerous illustrative problems. Prerequisite: For the fall term, a Junior course in either chemistry or physics; for

the spring term, differential and integral calculus are also required. Class, TThS, 10. (Omitted in 1944-45.)

160. Crystal and Molecular Structure.

Theoretical and practical work in the analysis of the structure of crystals by means of X-Rays. May be taken as a continuation of Geology 105. Prerequisites: A Sophomore course in mathematics and a Sophomore course in either chemistry, geology or physics; also the consent of the instructor is required. 2 units. Laboratory fee, \$2.00. No breakage deposit required. Spring term. (Omitted in 1944-1945.)

161a, 161b. Physical Chemistry Laboratory.

Laboratory practice in physico-chemical measurements. 2 units. Laboratory fee, \$12.00 each term. Breakage deposit, \$10.00 each term. Laboratory MT, 1:15-4:10. (Omitted in 1944-45.)

181a, 181b. Chemistry Conference.

The Staff

Oral or written reports by students, on material found in current chemical literature; discussions of research methods, the trend of present-day research, and recent developments in theoretical and applied chemistry. Each term. One unit. May be repeated for credit. M, 1:15.

183a, 183b. Methods in Chemistry.

The Staff

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, or biological chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of such courses, and written reports are required. Prerequisites: Analytical and organic chemistry and consent of instructor. 2 or 3 units. Each term. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

191a, 191b. Research in Chemistry.

The Staff

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or biological chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 2-6 units. Each term. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used. Arranged.

Graduate work in a considerable range of specialized fields of Chemistry is available under the auspices of Claremont Colleges.

Classics

For concentration in Latin, students are required to elect the following courses: 53, 105, 107 and 159 (both sequences). They are advised to include Greek 51, Art 51, and Philosophy 55.

GREEK

- 151b. Elementary. Mr. Robbins
First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature; Book I of Homer's Iliad. MWF, 1:15.
- 102a, 101b. Readings in Greek Literature. Mr. Robbins
2 or 3 units. May be repeated for credit. Arranged.
- Advanced courses in Greek Literature offered upon request.

LATIN

- 101b. Elementary. Mr. Robbins
An introductory course in the rudiments of the Latin language especially adapted for students of the modern languages. MWF, 11. (Omitted in 1944-45.)
- 102a, 52b. Cicero, Ovid and Virgil. Mr. Robbins
Selected passages from Cicero, Ovid and Virgil; review of the essentials of Latin grammar. Open to students with one or two years of preparatory Latin. MWF, 2:15.
- 102a, 53b. Cicero, Pliny and Horace. Mr. Robbins
Cicero, De Senectute; Pliny, Selected Letters; study of the life and times of the late Roman republic and early empire. Horace, Odes and Epodes; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. TThS, 9.
- 105a-105b. Composition. Mr. Robbins
Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be re-elected with credit and is required of students majoring in Latin. One unit. Arranged.
- 107a, 107b. Roman Comedy and Elegy. Mr. Robbins
Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. MWF, 8.

- 159a, 159b. Roman History, Philosophy and Satire. Mr. Rob
Two sequences of readings are offered in alternate years
Roman philosophy, satire, and pastoral poetry; b, Roman histo
and political antiquities. The course may be repeated for credi
successive years. In 1944-45 sequence a. MWF, 3:15.

Available at Scripps College

- I-50. Greek and Roman Literature. Mr. Westbr
Arranged. Not open to those who have had Greek 101a.

Graduate work in Roman Literature is offered under the ausp
of Claremont Colleges.

Economics

A student who contemplates concentration in Economics, w
the possibility of honors, is urged to consult a member of the st
of the department for advice, and should plan to take the ba
course in Principles of Economics (51a-b) in the sophomore ye
Accounting (Economics 5a-b), Mathematics of Finance (Mat
matics 57), and Statistical Methods (Mathematics 58) are reco
mended as fundamental tool subjects especially helpful in prepa
tion for upper division courses in Economics, and should be elec
within the first two college years, if possible. The student who loo
forward to a professional career in law, business, social service,
public administration will do well to include several courses
Economics in his program of studies, along with appropri
courses in related social sciences.

- 5a-5b. Accounting. Mr. Brig
A study in theory and method, developing from the balance she
the fundamental principles underlying alike the construction a
interpretation of financial records. MF, 11, and F, 1:15-4:05.

- 51a-51b. Principles of Economics. Mr. Dunc
The basic course in the general principles of Economics, includi
current problems. Required for students expecting to emphasi
the study of Economics and prerequisite for advanced courses
Economics. Not open to freshmen. Economics 5 not prerequisi
for Economics 51. Unless otherwise indicated, Economics 51a
is prerequisite for all upper division courses in the departmen
Two sections. MWF, 8, 9.

102. Economic Geography. Mr. Dunc
The earth's resources and man's use of them. Geographic infl

ences on occupations and industries. Geographic aspects of mineral, forest, agricultural and pastoral products; power resources, manufacture and trade. Regional geography. Economics 51 not prerequisite. Spring term. MWF, 11.

3. Money and Banking. Mr. Duncan
Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to supply society with adequate media of exchange. Development of American monetary and banking practices. Fall term. MWF, 1:15.

4. Corporation Finance. Mr. Duncan
Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including some study of cooperative organizations. Prerequisite: Economics 5, or equivalent training in Accounting. Fall term. TThS, 8. (Omitted in 1944-45.)

5. Public Finance. Mr. Duncan
Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Spring term. MWF, 1:15.

7. Economic Problems of Latin America. Mr. Duncan
A study of the economic and cultural problems of the Latin American countries, with attention to economic resources, industries, commercial relations, and recent socio-economic changes. Previous courses in Economics and a working knowledge of Spanish desirable, but not prerequisite. Permission of instructor required. Fall term. MWF, 11.

9. Public Utility Economics.
An historical and analytical study of public utility problems in the United States. Illustrative material is drawn from the railway, gas and electric utilities, but particular emphasis is laid upon the economics of overhead costs, the role of competition, and regulation. Spring term. MWF, 10. (Omitted in 1944-1945.)

4. Principles of International Trade.
A study of the nature and principles of international economic relations. The balance of payments and the processes of its equilibrium is followed by a study of the course and theory of the commodity trade and the movement of capital and labor from country to country. International commercial policies and trade agreements. Problems of post-war trade adjustment. Spring term. TThS, 9. (Omitted in 1944-45.)

158. Monopolies and Trusts.

A study of the economic principles and the legal status of monopolies. Fall term. MWF, 9. (Omitted in 1944-45.)

190. History of Economic Thought.

A survey of the development of economic science and policy from the forerunners of the classical school to the present day. Spring term. Permission of instructor required. Arranged. (Omitted in 1944-45.)

191. Economic Theory.

A systematic study of the theoretical tools of analysis used in the consideration both of the economic system as a whole and the particular problems which arise within it. Fall term. MWF, 9. (Omitted in 1944-45.)

192. Economic Cycle Theory.

Mr. Dunn

An introduction to the general problem of economic change and the theory of cycles. (Omitted in 1944-45.)

Education

53. Introduction to Education.

Mr. Fitts

A course designed for those who desire an understanding of the American school system as a social institution. A study of educational programs in a democracy from nursery school to a college education classes. Fall term, MWF, 9. Spring term, TTThS, 9.

54. Elementary Education.

Mr. Fitts

A comprehensive survey of the aims, principles, functions and procedures of modern elementary education. Especially planned for prospective kindergarten and elementary school teachers. Spring term. MWF, 10.

101. Techniques and Problems of Counseling and Guidance.

Mr. Fitts, Miss Gibson, Mr. Sanderson

An analysis of the problems and programs of counseling and guidance and personnel work. Consideration of the evidence of the need of guidance; objectives; various forms—educational, vocational, social, recreational, and health; organization and evaluation of guidance service. Open to Juniors and Seniors. 3 or 4 units. Fall term. M, 2:15-3:05. Th, 2:15-4:00.

102. Secondary Education.

Mr. Fitts

The factors and principles which underlie the theory and practice of secondary education.

of secondary education, including the junior high school, the senior high school, and the junior college. Offered alternate years. (Omitted in 1944-45.)

1, 104b. History of Education.

Mr. Fitts

The development of educational theory and practice from the Greek period to the present, with an attempt during the spring term to make a comparison of the established systems in America and typical European countries. History 1 or equivalent recommended as a prerequisite. 3 or 4 units. A registration of 4 units requires permission of the instructor. MWF, 11.

1, 187b. Problems of Education.

Mr. Fitts

Stress is placed upon current educational problems and literature. Group study of selected college, secondary and elementary school issues. Each student selects individual problems for solution. 2 to 4 units. May be repeated for credit. Instructor's permission required for registration. TTh, 10, and arranged.

Available at Scripps College

14. Nursery School Theory and Practice.

Mrs. Jones

Year course. MW, 3:15-4:05 and arranged.

A wide range of graduate work in Education leading to the various credentials as well as to the degree of Master of Arts is offered under the auspices of Claremont Colleges.

English

English 1 or an equivalent is prerequisite for all other departmental courses, and English 55 is a required course for students majoring in English. Writing is an emphasized feature of all Freshman and Sophomore courses. Book lists published by the department for the guidance of independent reading are available to all students, and are especially recommended to those who plan to enroll in Junior or Senior courses in English.

The minimum formal requirement for concentration in English is twenty-four units of satisfactory work in courses numbered over 100. The individual program may emphasize writing or literature. The study in college of at least one language and literature other than English is specifically recommended. Also desirable for a program of concentration in English are courses in foreign literature in translation, offered by the language departments; in the English Bible (Religion 55); and in history and philosophy. Information

concerning Honors programs in English may be obtained from the Departmental Staff.

- 1a, 1b. English: An Introductory Course. The Departmental Staff.
A brief review of the fundamentals of composition; instruction and practice in writing; reading and study of the more important literary types, together with principles of literary criticism and interpretation. Prerequisite for all other departmental courses. Section meetings, MWF, 8, or TThS, 8.

- 55a, 55b. Nineteenth Century Literature. Mr. Lincoln, Mr. Da
Intensive reading of the major poets and prose-writers of the period. In the course emphasis will be given to literature as (1) an artistic expression of the life, thought, and character of the individual writer, and as (2) a reflection of the important intellectual, social, and historical movements of the century. Juniors and seniors may register for the course only on the written recommendation of the instructor. Prerequisite: English 1 or equivalent. MWF, 9.

57. Introduction to Drama. Mr. Da
Great plays of various periods from the classic Greek to the present day; as extensive reading as time will permit. Prerequisite: English 1 or equivalent. Fall term. MWF, 10.

58. Types of Prose Fiction. Mr. Strathman
A general survey of important works in prose fiction with emphasis upon selected novels—English, American, and continental—from the eighteenth century to the present. Prerequisite: English 1 or equivalent. Spring term. MWF, 10.

- 61a, 61b. Character Presentation in Dramatic Literature. Mrs. All
An approach to dramatic literature through the actor's art with some consideration given to the history of theatre practice and contemporary production methods. Scenes from plays, both classical and modern, will be studied with special emphasis on effective interpretation. Prerequisite: English 1 or equivalent, and instructor's permission. TThS, 10.

63. Expository Writing. Mr. Brach
A course in the principal methods used in explaining processes, theories, and the results of special investigations. The course is designed to meet the needs of the student who wishes further practice in expository writing, especially the student who is preparing for a career in business or one of the professions, such as

law, medicine, or scientific research. Prerequisite: English 1 or an equivalent. Fall term. TThS, 9.

Narrative and Descriptive Writing.

Mr. Lincoln

A course for students who, having shown some ability as writers in English 1 or its equivalent, wish to continue with the basic creative problems of narration and description. Laboratory exercises, assigned problems, and discussion. Prerequisite: permission of the instructor. Spring term. TThS, 9.

ADVANCED COURSES

English 1 or an equivalent is prerequisite for all advanced courses in English.

101b. The Renaissance in England.

Mr. Strathmann

English literature of the Renaissance, dramatic and nondramatic. Spenser, Shakespeare, Bacon, and Milton are the principal writers studied, and the enduring contributions of the Renaissance to English literature, in thought, forms, and materials, are major topics. MWF, 9.

103b. Literature of the Eighteenth Century.

Mr. Bracher

The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and on the Continent. MWF, 10.

105b. American Literature.

Mr. Lincoln

The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. TThS, 10.

The Short Story.

Mr. Bracher

Practice in the writing of short stories and sketches. Consideration of the critical principles of the short story and criticism of both student and professional work. (A student who has completed both English 111 and English 151 may repeat one of these courses for credit.) Spring term. T, 1:15-3:05, and F, 1:15.

Playwriting.

Mrs. Allen

The theory of playwriting with supervised practice in this technique. A study will be made of the structure and style of significant plays for their light on the problems of the beginning playwright. Fall term. TThS, 9.

151. Creative Writing.

Mr. Lincoln

Supervised practice in all forms of creative writing. Study matters and fields of literary interest. (A student who has completed both English 111 and English 151 may repeat one of the courses for credit.) Fall term. T, 1:15-3:05, and F, 1:15.

153. Chaucer.

Mr. Davis

A study of Chaucer as the outstanding narrative and dramatic poet of the transition from the medieval to the modern world. Fall term. TThS, 9.

154. The English Language.

Mr. Brachman

A survey of the English language from Chaucer to the present day, directed toward an understanding of modern English usage. (Omitted in 1944-45.)

155a, 155b. Shakespeare.

Mr. Davis and Mr. Strathmann

A study of the principal plays and of Shakespeare's career as dramatist, with attention to the working conditions of the Elizabethan stage; careful reading of several of the great plays. MWF, 11.

191. Late Victorian and Modern Writers.

Mr. Davis

A seminar in selected authors of the past fifty years. Philosophical and social attitudes, the search for wholeness and meaning in modern life will be emphasized. Spring term. TThS, 9.

192. Contemporary Writers.

Primarily a survey of the development of the novel in England and America from Henry James to the present day. Lectures and discussion of texts. Prerequisite: English 58, or permission of the instructor. Spring term. TThS, 9. (Omitted in 1944-45.)

195a, 195b. Readings in English Literature.

Mr. Strathmann and the Departmental Staff

A seminar consisting of lectures, readings, papers, and oral reports directed toward a synthesis on the student's part of his work in the field of literature and allied subjects. The content of the course may vary annually according to the needs and interests of the students enrolled. Open to seniors majoring or taking honors in English. W, 2:15-4:05, and F, 2:15.

Available at Scripps College

I-14. The Art of Writing.

Miss George

Creative work in prose and verse, with reading. Year course. TTh, 10 and arranged.

Courses of Instruction

101

. Shakespearean Tragedy. Mr. Dunn
Not open to those who have taken English 155b. Year course.
MWF, 10.

. Contemporary Literature. Mr. Ament
Year course. MWF, 11.

. English Poetry. Miss George
Year course. TTh, 8, and arranged.

. Milton. Mr. Dunn
Year course. TTh, 10, and arranged.

The opportunity for graduate work in English provided by the colleges of the Claremont group is quite extensive. The student who purposes to go on into graduate study is advised to plan his whole course from at least as early as his junior undergraduate year.

Geology

Geology 51a,b is an introductory survey course. It is designed to give a general appreciation of the features and processes at the earth's surface to the non-technical student and is a prerequisite for most of the more advanced work in the department. The other courses are designed for persons intending to specialize in geology or a related science.

A geology major should include courses 51a,b, 53, 105, 110, an approved summer field course, and two of the following three courses: 107a-b, 151a-b, and 181, 182. Required in other departments: Mathematics 1a-b, 65a-b; Physics 51a-b, 52a-b; Chemistry 53a-b, and 55a,b; and a reading knowledge of German, Spanish or French (German preferred). Mathematics 7a,b (engineering drawing), and 60 (descriptive geometry) are very desirable. In exceptional cases courses in biology may be substituted for those in physics and chemistry. Rarely the requirement of a summer field course is waived. Near the end of the senior year a short comprehensive written and oral examination must be passed. Special programs are arranged for Honors students.

, 51b. Introductory Geology. Miss Smith
Dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Laboratory fee, \$3.00 each term. Class, WF, 8; laboratory, W or Th, 1:15-4:15.

53. Determinative Mineralogy. Mr. Woodfo
Prerequisite: High school chemistry or equivalent. Fall term. Two laboratory periods. 2 units. Laboratory fee, \$4.00. By arrangement with instructor.

105. Crystallography.
Fall term. 2 units. WF, 10. To be given if sufficient demand.

110. Petrology. Mr. Woodfo
The study of rocks without the microscope. Prerequisite: Geology 51a, 53 and 105. Spring term. Two class and two laboratory periods. 4 units. Laboratory fee, \$4.00. By arrangement with instructor.

- 107a-107b. Invertebrate Paleontology. Mr. Woodfo
Prerequisite: Geology 51b; recommended preparation: Biology 5. Two class and one laboratory periods, fall term; one class and two laboratory periods, spring term. Laboratory fee, \$6.00 each term. (Omitted in 1944-45.)

- 151a-151b. Petrography. Mr. Woodfo
Refraction and double refraction; the optical indicatrix; study of minerals and rocks with the petrographic microscope. Prerequisite: Geology 105. Two class and one laboratory periods, fall term; one class and two laboratory periods, spring term. Laboratory fee, \$5.00 fall term; \$8.00 spring term. (Omitted in 1944-45.)

- 181, 182. Geological Investigation and Research. Mr. Woodfo
3 units. Laboratory fee, \$4.00 each term. (Omitted in 1944-45.)

A summer course in Field Geology offered by Stanford University is open to Pomona students who have completed Geology 5 and 110. 10 units of Junior credit are given for this course.

Graduate work in Geology with special reference to Petrography is offered under the auspices of Claremont Colleges.

German

Students who desire to major in German should have a good foundation in English language and literature. Acquaintance with another foreign language, and some background in history, are desirable.

1b. Elementary German.

Miss Wagner

The acquirement of a small working vocabulary. Constant ear-training, and as much practice in speaking as time permits. Daily exercises in reading and writing. The essentials of grammar. Etymology. Comment on German life. MWF, 9, TThS, 9.

1-53b. Advanced German.

Mr. Baumann

More advanced German language study through intensive reading of selected German works, with collateral reading in the field of the student's individual interest,—literary, social, or scientific. Continued practice in German conversation. Some attention to an understanding of the cultural life of Germany, Austria and Switzerland. Prerequisite: German 1 or an equivalent. TThS, 10.

2a, 102b. Advanced Conversation, Composition and Translation.

Miss Wagner

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore. This course is also designed for those interested in censoring, translating, and summarizing in English reports given in German. Prerequisites: German 53 or equivalent. MWF, 1:15.

9a, 109b. German Literature of the Nineteenth Century.

Mr. Baumann

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German 53 or equivalent. TThS, 9.

3a, 113b. German Classics of the Eighteenth Century.

Mr. Baumann

A study of the outstanding works and personalities of the period with particular attention to the social and political life of Germany. (Omitted in 1944-45.)

8a, 158b. Modern German Literature.

Mr. Baumann

The development of German Literature from 1880 to the present with reference to the political and social changes during that period. Arranged.

11a, 181b. Readings in Continental Literature of the 19th Century in Translation.

Mr. Baumann

A study of outstanding works of Balzac, Flaubert, Tolstoy, Dostoevsky, Ibsen, Thomas Mann, and others. One evening a week: 7:30-9:30 p.m. Arranged.

Available at Scripps College

I-II. Goethe and His Age.

Mr. Me

Arranged. Not open to those who have had German 113a, 1

Under the auspices of Claremont Colleges graduate work is offered in various phases of German Literature with special emphasis on the modern field.

Government

Government 2a and 2b are prerequisite for all advanced courses. Depending upon the merits of individual cases this requirement may, however, be waived upon the written consent of the instructor.

A student who contemplates concentration in Government should include Modern Governments (2a, 2b) and Elements of Political Science (54) in his program for the first and second years. Basic courses in related social sciences should also be taken.

The department will gladly advise students regarding preparation for the foreign service, the civil service, or the practice of law.

2a, 2b. Modern Governments.

Mr. Lee and Mr. V

Fall term: American Government, with emphasis upon national institutions. Spring term: Comparative Government, with emphasis upon British and Russian institutions. Two sections. MWF, TThS, 9.

54. Elements of Political Science.

Mr.

Examination of the human and environmental forces which condition the processes of government, of the character and incidence of political power and control, of the concepts of sovereignty, constitutionalism, authority and responsibility. Fall term, MWF,

102. Municipal Government and Administration.

Courses 102 and 103 are normally offered in alternate years. Fall term. (Omitted in 1944-45.)

103. State Government and Administration.

Fall term. (Omitted in 1944-45.)

104. Public Administration.

Mr. V

The processes of responsible administration in American government, with reference to the theory and practice of organization, fiscal and personnel management, and administrative law.

Courses of Instruction

- 105

adjudication. This course is designed to meet the requirements of students intending to enter government service. Spring term. MWF, 9.

1. Introduction to Law.

A study of the development of Western legal institutions, with some consideration of theories of law. Fall term. (Omitted in 1944-45.)

1. International Organization.

Mr. Vieg

An examination of projects and proposals for international organization from the settlement of Versailles to the present, undertaken as an analysis of the causes of war and the conditions of peace. Spring term. TThS, 8.

2. Public Opinion and Propaganda.

Mr. Lee

The role of individual and group opinion in the modern state and world community, with particular consideration of the propaganda and other pressure techniques developed to influence this opinion. Contemporary problems will be emphasized. Spring term. MWF, 11.

4a, 154b. American Constitutional History and Law. Mr. Lee
Fall term: Antecedents of the United States Constitution, its formation, and its growth through interpretation in the nineteenth century. Landmark cases will be studied.

Spring term: Recent interpretations of the Constitution, with special attention to Supreme Court decisions affecting the relations of government, industry, and labor. MWF, 8.

6. Political Parties and Electoral Problems.

Fall term. (Omitted in 1944-45.)

58a, 158b. Readings in Government.

Mr. Lee and Mr. Vieg

Fall term: Study of the major works of eminent political philosophers including Plato, Aristotle, Cicero, Machiavelli, Hobbes, Locke, Rousseau, and Burke.

Spring term: Study of nineteenth and twentieth century political thought, with emphasis upon the contrasting ideas of democracy and authoritarianism. (Not open to honors candidates in the social sciences majoring in Government.) 2 units. A two-hour weekly seminar, arranged.

HONORS STUDY

A student accepted for honors study in the social sciences with Government as his major field (see page 74), having completed

Government 2 and 54, must include in his program four to six courses in Government numbered above 100 and the honors courses (141, 142; 191, 192), each of which carries three unit credit. Honors candidates engage in extensive reading and prepare essays which are read and discussed in a weekly seminar attended by the candidates and various members of the associated faculty. Bibliographical study under the direction of Miss Marion J. Ewing, assistant librarian, is included in the program.

141, 142. Political Thought from Plato to Bentham.

191, 192. Selected Topics for Investigation.

History

1a-1b. The Development of Western Civilization. The Student

The evolution of civilization in Europe from antiquity to the close of the French Revolution, and its spread throughout the world. Attention is paid to the political, religious, intellectual, and economic forces of change. The aim is to lay a foundation for the understanding of contemporary problems. This course or equivalent is normally a prerequisite for advanced courses in history. MWF, 9, and TThS, 9.

55a, 55b. History of the United States. Mr. Pitman

The political, cultural and economic development of the United States from its beginnings as an outpost of European expansion to a position of independence and world influence. TThS, 8.

103a, 103b. History of China. Mr. Chubb

For description see Oriental Affairs 103a, 103b.

107a, 107b. English History. Mr. Pitman

The development of the main features of civilization in the British Isles. Emphasis is laid upon the evolution of religious, intellectual and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. Fall term, Great Britain to 1660. Spring term, Great Britain since 1660. MWF, 11.

113a, 113b. The History of Modern Europe. Mr. Brahm

Europe from the beginning of the French Revolution to the present day. Political, economic, social, and intellectual developments will be studied with reference both to their intrinsic significance and to an understanding of contemporary Europe. Open to sophomores who satisfy the instructor with regard to their preparation. TThS, 10.

114b. Russia Since the Reign of Catharine II. Mr. Brace
A survey of the institutions of Russia from the eighteenth century
through the Revolution of 1917 and the establishment of the
J. S. S. R. Prerequisite: History 1a-1b or consent of instructor.
MWF, 10.

121b. A History of Ideas in America. Mr. Wright
A survey of the intellectual traditions brought by the colonists,
the changes and development of the European heritage, and the
origins and growth of ideas and intellectual movements particu-
larly influential in the United States. The first term will cover
the period from 1585 to 1815; the second term from 1815 to
1944. Prerequisite a college course in American History, or
permission of the instructor. W, 3:30-5:30. 2 units per term.

123b. The Ten Republics of South America. Mr. Herring
Their rise and development from independence to the present
time. Open to juniors and seniors. MWF, 10.

154b. American Constitutional History and Law. Mr. Lee
For description see Government 154a, 154b.

7. Representative Historical Personalities.
The purpose of the course is the study of a number of significant
historic figures with relation to the societies in which they lived,
and the evaluation and comparison of their influences upon their
own and upon subsequent times. (Omitted in 1944-45.)

8. Topics in the History of Modern Europe.
(Omitted in 1944-45.)

9. The British Empire Since 1763. Mr. Pitman
An examination of the major changes in Imperial policy and
Colonial institutions with emphasis upon the effects of Imperialism
on colonists and native races. Spring term. MWF, 11. (Omitted
in 1944-45.)

70. History of Western America and the North Pacific.
(Omitted in 1944-45.)

30. Diplomatic Relations of the U.S. and Latin
America, 1810-1945.

Mr. Herring
The Monroe doctrine, annexations, occupations, economic inter-
vention, the rise and development of the Pan American movement.
A proseminar open to seniors, or specially qualified juniors.
Prerequisite History 122 or 123a, and permission of instructor.
Spring term, 2 units. One two-hour period. Arranged.

HONORS

A student admitted to honors in the Social Sciences with History as his major field (see page 74) will, in addition to the program of reading and conferences arranged with the member of the department who acts as his adviser, participate in a discussion group including the departmental faculty and students in honors, and will meet for the presentation of reports and discussion. Juniors will register for 141; seniors will register for 191.

- 141a, 141b. History and Historians. The Departmental Staff.
A consideration of the theory and interpretation of history through the reading of a selected group of great historical classics and a study of the development of historiography. Arranged.

- 191a, 191b. Selected Topics for Historical Investigation. The Departmental Staff.
Arranged.

Available at Scripps College

- III-14. History of the American People. Mr. Brainerd.
Not open to those who have had or are taking History 55a.
Year course. MWF, 11.
- III-18. Modern Europe.
Not open to students taking 113a,b. Year course. MWF, 8.
- III-28. Emergence of Modern America. Mr. Brainerd.
Year course. MWF, 10.

Mathematics

Students who wish to major in mathematics, or those who wish to get a foundation in mathematics either as a part of a general liberal arts education or as a tool in science, should enroll in Mathematics 1a,b. This course is prerequisite for other work in the department except courses 57 and 58. Students interested in engineering and physical sciences should take at least Mathematics 65a,b, and if possible, Mathematics 151 and 152. Students preparing for business or economics should take Mathematics 57 and 58. The latter would also be valuable to students majoring in psychology, education, and physical education. Mathematics 119a,b, is advisable for students who major in mathematics, especially those who are planning to teach the subject.

1b. Introduction to College Mathematics.

Departmental Staff

While this course prepares students for work in the calculus, it is at the same time comprehensive enough to provide in itself a general mathematical background. The course is so organized as to benefit the student with extensive preparation and yet is not beyond the student with a minimum preparation. It includes college algebra, trigonometry, and an introduction to analytic geometry and calculus. Prerequisites to further work in the department, except Mathematics 57 and 58. TThS, 10. MWF, 10.

Mathematics of Finance.

Mr. Harrold

Interest, annuities, amortization, depreciation, and an introduction to the mathematics of life insurance. No prerequisite. Fall term, MWF, 9.

Statistical Methods.

Mr. Harrold

Graphs, averages, frequency distribution, probability, correlation, index numbers. No prerequisite. Laboratory fee \$1.00. Spring term. MW, 9, laboratory, F, 1:15-4:10.

65b. Differential and Integral Calculus.

Mr. Hamilton

This is a standard course in the theory and applications of the calculus. TThS, 9.

Plane Analytic Geometry.

Mr. Hamilton

A study of the straight line, conic sections, higher plane curves and their properties. Prerequisite: Math. 1. Fall term. MWF, 11.

o. Solid Analytic Geometry and Spherical

Trigonometry.

Mr. Hamilton

Planes, curved surfaces, and space curves. Prerequisite: Math. 67. Spring term. MWF, 11.

9a, 119b. Higher Algebra and Theory of Equations.

Mr. Jaeger

Theory and solution of higher algebraic equations and other advanced topics in algebra. TThS, 8.

35. The Teaching of Mathematics.

Mr. Jaeger

This course is designed for prospective teachers of high school mathematics. It will include the study, criticism, and possible reorganization of various types of curricula now in force. Methods for teaching students of varying abilities will be discussed. Materials from arithmetic, algebra, geometry and trigonometry will be used to illustrate the topics of the course. Prerequisite, Mathematics 1a,b or its equivalent. Fall term. MWF, 10.

151a, 151b. Differential Equations.

Mr. Harro

A general course in the theory, solution, and application of differential equations. MWF, 8.

152a, 152b. Advanced Calculus.

Mr. Hamilt

Partial derivatives, multiple integrals, Taylor and Fourier series, line and surface integrals, improper integrals, elements of complex variable. MWF, 9.

191. Selected Topics in Higher Mathematics.

Sta

Work in the following phases of Mathematics may be taken if the demand requires. The course may be repeated for credit by taking work in the various topics listed.

- | | |
|---|--|
| a. Complex variable | d. Topology |
| b. Number theory | e. Vector Analysis |
| c. Mathematical phases of Physics and Engineering | f. Geometry: Projective, non-Euclidean, Differential |

Graduate work in Number Theory, Differential Geometry, Real and Complex Variable is offered under the auspices of Claremont Colleges.

ENGINEERING DRAWING

7a, 7b. Engineering Drawing.

Miss Brunc

A beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. Laboratory fee, \$2.00 per unit. 1 or 2 units. MTW or Th, 1:15-4:10.

59. Advanced Engineering Drawing.

Miss Brunc

Continuation of 7b. Each term. 1 or 2 units. Laboratory fee, \$2.00 per unit. May be repeated for credit. MTW or Th, 1:15-4:10.

60. Descriptive Geometry.

Miss Brunc

Prerequisite Mathematics 7 or its equivalent. Each term. 1 to 2 units. Laboratory fee, \$2.00 per unit. MTW or Th, 1:15-4:10.

112a, 112b. Elements of Engineering Design.

Engineering design problems from the fields of aeronautical, mechanical, or civil engineering. The work is varied in accordance with the interests and objectives of the individual student. 2 units. Laboratory fee, \$2.00 per unit. (Omitted in 1944-45.)

Military Science

The College maintains an Infantry Unit, Senior Division, of the Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students as leaders in case of national emergency. Students who successfully complete the four year course will be tendered commissions as second lieutenants in the Reserve Corps.

The courses include both classroom and outdoor instruction. Theoretical instruction covers the basic technical knowledge required of a cadet of the United States Army. Drill periods provide opportunity for the practical application of the theoretical instruction and the improvement of the posture and physical coordination of the cadet. Special emphasis is placed on the development of the qualities of leadership. The poise acquired by the student and his practical experience in the art of command may be applied in many walks of life.

The instructors in the department are officers of the Regular Army detailed for duty at the College by the War Department. Equipment provided includes rifles, automatic rifles, machine guns, and instruments for a 28-piece band. All students are given instruction in marksmanship. Ammunition for target practice is furnished without charge. Competitions are held and a rifle team selected for inter-collegiate matches.

Students who have received training in a Junior R.O.T.C. unit may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of three terms of unit training. Application for advanced standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the school which the student attended.

The four year course is divided into the basic course, consisting of the first four terms, and the advanced course consisting of the work of the next four terms. Enrollment in either course is voluntary but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligations for military service nor does it interfere with the participation in sports of the student. Uniforms for the basic course are issued without charge to the student.

Enrollment in the advanced course is limited to selected students who have completed the basic course or its equivalent and who enter into an agreement to attend one training camp. In consideration of this agreement students receive, from the government, cash allowances

equivalent to a scholarship of about \$125.00 per year. All necessary expenses in connection with the training camp, including transportation to and from camp, are provided by the government.

1a-1b. First Year Basic Course.

Colonel Baird

National defense; citizenship; military courtesy and discipline; rifle marksmanship; map reading; military policy of the United States; military organization; military hygiene and first aid; close and extended order drill and ceremonies. $1\frac{1}{2}$ units. 2 sections. Class, M, 8 or 9. Drill, M, 1:15-3:05.

53a-53b. Second Year Basic Course.

Colonel Baird

Musketry; scouting and patrolling; infantry weapons; automatic rifle; combat principles of the rifle squad; drill and command. $1\frac{1}{2}$ units. 2 sections. Class T, 3:15 or F, 1:15; Drill, M, 1:15-3:05.

105a-105b. First Year Advanced Course.

Colonel Baird

Leadership; mortars; machine guns; field fortification; automatic pistol; combat orders; marches and security; combat principles of rifle and weapons platoon; interpretation of aerial photographs; drill and command. $3\frac{1}{2}$ units. 2 sections. Class MWF, 9 or 10. Drill, M, 1:15-3:05.

157a-157b. Second Year Advanced Course.

Colonel Baird

Leadership; military history of the United States; military law; tanks and mechanized warfare; antiaircraft defense; signal communications; tactical problems in the command of rifle and machine gun companies and the mortar platoon; drill and command as platoon, company and battalion commanders. $3\frac{1}{2}$ units. 2 sections. Class, TThS, 8 or 9. Drill M, 1:15-3:05.

Note: Courses 105a-105b and 157a-157b are suspended for the balance of the duration of the present war.

Courses 1a-1b and 53a-53b will be given with certain modifications which will be announced to each class by the instructor.

Music

As an important force in the educational life of Pomona College, music offers opportunity for participation in many instrumental and choral activities both on an extracurricular and on a credit basis. Courses are designed to include both students who intend to make music their profession and those who desire it as a avocation.

Courses required of all music majors are:

Music 1 and 55 (Harmony)

Music 104 (History)

Music 107 (Counterpoint)

Music 159 (Form and Analysis)

Majors in applied music are required to take two lessons per week in their major subjects unless excused by the music faculty, to appear frequently in student recitals, and to present a satisfactory public recital during their senior year.

Additional required courses for majors in theoretical music are:

Music 113 (Orchestration)

Music 158 (Free Composition)

Majors in theoretical music must also present a satisfactory public recital of their own compositions during their senior year.

THEORY, APPRECIATION AND HISTORY

b. Elementary Harmony.

Mr. Allen

Thorough grounding in the fundamentals of music through the mediums of hearing, singing, writing, and the keyboard. Study of major and minor modes; all diatonic triads, dominant seventh and super-tonic seventh chords and all non-chordal tones. Harmonic analysis of melodies. Four-part writing based on the technics of the 17th and 18th centuries. Prerequisite: ability to play a simple hymn at the keyboard. An arranged laboratory hour each week, in addition to the regular class periods, may be required. MWF, 9 or 1:15 and A.

-53b. Introduction to Music.

Mr. Dayton

A nontechnical listening course to acquaint the student, through analytical study, with the symphony, opera, chamber and solo music heard in concert to-day. No previous musical experience required. 2 units. MW, 2:15 or 3:15.

-55b. Advanced Harmony.

Mr. Allen

A study of part-writing technic as found in the Bach Chorales. Chromatic harmony and modulation. Instrumental style of the Classical School. Prerequisite: Music 1. An arranged laboratory hour each week, in addition to the regular class periods, may be required. MWF, 11 and A.

1a-104b. History of Music.

Mr. Fiske

Intended to familiarize the student with the major trends in the history of music from the early Christian era to the present, with special emphasis on composers, music and developments from the 16th century onward. Considerable attention is given to music problems of the present day. Prerequisite Music 1 or permission of instructor. TThS, 9.

105a-105b. Brahms to Bartok.

Mr. Day

An advanced course in the understanding and appreciation of music, based on an intensive study of the style and works of Brahms, Debussy, Wagner, Sibelius, and the moderns. prerequisite Music 53 or 104. 2 units. TTh, 2:15.

107a-107b. Counterpoint.

Mr. A.

Preliminary work in free style for two and three voices is followed by the Inventions and Classical Suite forms. Chorale Preludes and Variations are undertaken during the spring term. When time permits, an introduction to the Palestrina technic is offered. TThS, 10.

113a-113b. Orchestration and Instrumentation.

Mr. Blanch

A study of the instruments of the modern orchestra; their historical technical limitations and use in various groups; study of scores and the technic of scoring. Prerequisite: Music 55. MWF, 8.

158a-158b. Free Composition.

Mr. A.

Advanced original work in either the polyphonic or homophonic forms, according to the need and preparation of the student. Prerequisite: Music 107. A.

159. Form and Analysis.

Mr. Blanch

Designed to lead to a clear understanding of the principles upon which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music 55. 2 units. Fall term. TTh, 8.

APPLIED MUSIC

Class Instruction. Permission of Director required. No special fees charged. Enrollment for credit is limited to two courses at one time.

57a, 57b. Choral Singing.

Mr. Lym

The study and production of choral music, especial attention being given to diction, phrasing, content of the works dealt with, and an understanding of musicianship as applied to choral singing. The class will be organized as the College Choir and as such will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays from 11:30 to 12:20. 1 unit. The course may be repeated for credit.

58a, 58b. Orchestra.

Mr. Fis

A study of major works of orchestral repertoire and application

of the principles of orchestral routine through public performance. Two periods of attendance weekly; one unit credit. Additional sectional rehearsals at option of director. The course may be repeated for credit. T and Th, 4:15.

59b. Band.

Mr. Blanchard

The study and production of the best in concert band repertoire. Two periods of attendance weekly; one unit credit. The course may be repeated for credit. M and W, 4:15. (Omitted in 1944-45.)

INDIVIDUAL INSTRUCTION

Credit for individual work in Applied Music is open to all students in the college, subject to the following provisions:

No credit is given for elementary or beginning music study.

Credit is given for individual instruction on the following basis:

Two units per term for two private lessons weekly, one unit per term for one private lesson weekly. Placement tests are required before any credit is given and before students may advance from one rank to another. Details of these tests may be obtained from the office of the music department.

A total of not more than 16 units of individual instruction in applied music may be counted toward the Bachelor of Arts degree, 8 of which must be numbered above 100.

Music 1 (Harmony) must accompany or precede all credit-study. Non-music majors may obtain credit for one lesson per week per term for additional study without further Harmony courses. Music 55 (2nd year Harmony) must accompany or precede more than one year of credit-study for those taking two lessons a week.

. Applied Music. (Freshman level)

. Applied Music. (Sophomore level)

i. Applied Music. (Junior level)

ir. Applied Music. (Senior level)

Voice Mr. Lyman and Miss Smith

Organ Mr. Blanchard

Piano Mr. Olive, Mr. Dayton, Miss Smith

Violin and Viola Mr. Fiske

Violoncello Mr. Simonsen

Harp Mr. Kastner

Lessons on other instruments may be arranged for through the office of the Music Department.

FEES FOR INDIVIDUAL INSTRUCTION

For those paying regular tuition:

One-half hour private lesson per week.....	\$45
Each half-hour in excess of one per week.....	40.
For those carrying less than ten hours of college work, exclusive of work in applied music:	
One half-hour private lesson per week.....	60.
Each half-hour in excess of one.....	40.

PRACTICE FEES

Piano, one-half hour daily, \$3.50; one-hour daily.....	\$ 6.00
Bridges Hall Organ (four manuals), one hour weekly.....	5.00
Two-manual Organ, one hour weekly.....	2.00
Bridges Auditorium Organ, Claremont Colleges (advanced students only) one hour weekly.....	15.00
Room without piano, one hour daily.....	1.50

GROUP INSTRUCTION

(Special fees charged)

Class lessons for beginning students are offered at \$25 per term, a registration of four persons being set as the class minimum. For this work no collegiate credit is given. Each class meets on a week for an hour.

Available at Scripps College

- II-69. Nineteenth Century Music. Mr. Pattison
Year course. TTh, 1:15-2:45. Not open to students who have had Music 105a.
- II-70. Contemporary Music. Mr. Pattison
Year course. Prerequisite II-69 (Scripps) or 53a-b (Pomona) TTh, 9 and arranged hour. Not open to students who have had Music 105b.

Graduate work in Theoretical and Applied music and in Public School Music Methods is offered under the auspices of Claremont Colleges. Students interested in obtaining the special teaching credential in music may complete the requirements for the credential by taking graduate work in Claremont Colleges.

Oriental Affairs

The Department of Oriental Affairs seeks to familiarize the student with the peoples and cultures of East Asia in both their historical and contemporary aspects, and to supplement his training in a specialized field by drawing on Oriental data and sources of information.

56b. The Development of Oriental Civilization.
(Omitted in 1944-45.)

101b. Introduction to the Chinese Language.

Mr. Ch'en and Mr. Lo

A reading course for beginners in the Chinese language, with a major emphasis on the analysis of written characters, and on grammar and syntax. Open to sophomores by permission. MWF, 10.

103b. History of China.

Mr. Ch'en

General survey of Chinese History, with emphasis on such topics as the rise of philosophical schools, important movements in literature and art, and the evolution of social and political institutions. An effort will be made to interpret the complexities of the problem of present day China in the light of her ancient cultural heritage. MWF, 9.

Far Eastern Literature in Translation.

Mr. Ch'en

A study of outstanding Chinese literary works in English translation with the aim of a deeper appreciation of Oriental life and thought. Fall term. MWF, 9. (Omitted in 1944-45.)

5. The Contemporary Far East.

Mr. Ch'en

The impact of Occidental cultures and peoples upon Eastern Asia, including India and Malaysia; the physical, intellectual, and moral resources of Oriental nations; the organization and strategy of these countries today. Spring term. MWF, 10.

6. Oriental Philosophy.

Mr. Iredell

For description see Philosophy 126.

10. History of Cultural Relations between China
and the Occident.

Mr. Ch'en

A rapid survey of the religious, intellectual, literary and artistic relations and interchanges between China and the Western World from Greco-Roman times to the middle of the nineteenth century. Fall term. MWF, 9. (Omitted in 1944-45.)

- 151a, 151b. Advanced Chinese Language. Mr. Ch'en and Mr. I
An advanced course open to those who have had 101a-101b
Arranged.
160. History of Far Eastern Diplomacy.
(Omitted in 1944-45.)
161. Contemporary Far Eastern Government and
Politics.
(Omitted in 1944-45.)

Philosophy

Courses 55 and 57 are general introductions to philosophy. They are recommended for students who wish a general acquaintance with the subject.

Requirements for concentration in philosophy:

24 hours of work in philosophy, including Philosophy 55 or 57 and 12 hours of work in upper division courses; normally a reading knowledge of French or German, to be completed not later than the middle of the senior year. An elementary knowledge of psychology is also recommended.

Students intending to concentrate in the department should consult with members of the department to work out a satisfactory program.

51. Introduction to Logic. Mr. Ired
A study of the elements of deductive and inductive reasoning with special emphasis upon the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. Fall term
(Omitted Fall and Spring term 1944-45.)
- 53a, 53b. Philosophy of Art.
(Omitted in 1944-45.)
- 55a, 55b. History of European Philosophy. Mr. Ired
A study of the main currents of European philosophy from the earliest Greek thinkers through modern philosophic thought. This course is designed to be a general and cultural introduction to philosophy through a study of its history. MWF, 10.
- 57a, 57b. Problems of Philosophy. Mr. Ired
An introductory consideration of the meaning and method of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology and a review of some of the main philosophic estimates of life. TThS, 10.

101b. Philosophy of Religion.
See Religion 101 for description.

Mr. Meland

Types of Ethical Theory.

A critical examination of some of the chief types of ethical theory (e.g. Aristotle, Kant and Bergson) and a consideration of their various solutions to the main problems of moral theory. (Omitted in 1944-45.)

Oriental Philosophy.

Mr. Iredell

This course is designed to provide the student with a general background of oriental thought as a basis for further study of oriental life and culture. An attempt will be made to gain an appreciation of the thought life of the Orient through a study of some of the more important thinkers and schools of oriental philosophy and through a comparison of oriental and western philosophical views and cultural ideals. Spring term. MWF, 11.

The Nineteenth Century.

A study of the main currents of 19th century thought and of their reflection in the literature, the history and the social movements of the period. (Omitted in 1944-45.)

Some Representative Philosophies of Life.

An evaluation of the contribution made by a number of representative thinkers to an understanding of the western mind. (Omitted in 1944-45.)

The Philosophy of Science.

Mr. Iredell

This course is designed especially for students interested in the problems of the physical and biological sciences. A critical examination will be made of the basic concepts and methods underlying contemporary scientific thought. Consideration will be given to such questions as the nature of scientific knowledge, conceptions of nature, natural law, the relation of the scientific interest to other interests, and the contributions of the special sciences to a view of the universe as a whole. (Omitted in 1944-45.)

Contemporary Philosophy.

Mr. Iredell

A study of contemporary philosophic thought through some of the main modern thinkers with special reference to the dominant ideas of the civilization of today. Prerequisite: Philosophy 55 or 57, or such previous work as will provide an equivalent grasp of the basic problems of philosophy. Fall term. MWF, 11.

Contemporary Philosophy of Education.

Mr. Iredell

A consideration of educational philosophies at work in the world

today, together with a critical analysis of the chief philosophical problems involved. The course will include a brief survey of some of the current attempts to reform education in this country and abroad, and will consider the contributions of some of the outstanding contemporary philosophical thinkers to the problems of education. Fall term. (Omitted in 1944-45.)

Available at Scripps College

IV-57. Logic.

Mr. Barrett

Fall term. MWF, 8. Not open to those who have had Philosophy 57.

IV-58. Standards and Values.

Mr. Barrett

Spring term. MWF, 8.

IV-59. History of Ideas.

Mr. Barrett

Year course. TTh, 10.

A considerable range of graduate offerings in Philosophy is available under the auspices of Claremont Colleges.

Physical Education

The program of Physical Education in Pomona College is based upon the belief that a liberal education should include knowledge of the structure and functions of the human mechanism; understanding of the hygienic practices which promote physical, mental and social health; reasonable skill in developmental and recreational activities of a physical type which will promote the individual's well-being during college years, and in later life; and a disposition to make such knowledge and skill essential elements in effective living.

Increasing interest in health, physical education and recreation in the United States has resulted in a growing demand for well-trained and competent leaders in these fields. Pomona students may qualify for such professional work by pursuing a major course in Physical Education, followed by a year of graduate work at Claremont Colleges.

MEN AND WOMEN

A student is required to take one unit of Physical Education Activities per term during his Freshman and Sophomore years, and one-half unit per term during his Junior and Senior years.

Principles of Healthful Living. Mr. Strehle and Miss Kelley
An introduction to general hygiene dealing with the meaning and significance of physical, mental, and social health as related to the individual and to society. Important phases of our National health problem. Constructive methods of promoting the health of the individual. Defensive hygiene. Special health problems of college students and young people generally. Fall term or spring term. Men, Mr. Strehle, arranged; women, Miss Kelley. MWF, 8.

3. Nature and Function of Play. Miss Kelley
The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out moral habits, attitudes and judgments. Fall term. 2 units. TTh, 8.

4. Community Recreation. Miss Cawthorne
A study of the organization of the school and the public playground, the types of leadership, and types of activities best suited for various age periods. Discussion of the technique of organizing the recreation center. Organization of leadership. Limited to Juniors and Seniors. Spring term. 2 units. TTh, 8.

5. Community Health. Miss Kelley
A brief survey of the fields of community and public health dealing with the health of people as a group, and with the social and governmental activities which are concerned with environmental control and health promotion. Hygiene and the correlation of the total health teaching program. Spring term. MWF, 10.

6. Kinesiology. Miss Cawthorne
An analysis of joint and muscular mechanism, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. Spring term. MWF, 8.

7. Physical Deviations. Miss Cawthorne
Study of the causes, prevention, and correction of physical defects. Laboratory work includes methods of examination, prescription of exercises. Prerequisite: 129. Fall term. MW, 8; and laboratory arranged.

8. Principles of Physical Education. Miss Kelley
Limited to Seniors preparing to teach Physical Education. Spring term. MWF, 11.

MEN

Students engage in programs of physical education activities selected according to individual needs as determined by medical and

physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Among the minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense, proficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under supervision of the Department: Archery, badminton, baseball, basketball, boxing, corrective exercises, cross country running, football, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student obtains credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a certificate from the College Physician indicating that the individual is physically fit for such participation. (Intercollegiate athletics have been discontinued for the duration of the war.)

- | | |
|--|-----------|
| 1a-1b. Physical Education Activities. | The Staff |
| Required, Freshman year. $\frac{1}{2}$ unit. Arranged. | |
| 2a-2b. Physical Education Activities. | The Staff |
| Required of Freshmen not taking Military Science. $\frac{1}{2}$ unit. Arranged. | |
| 53a-53b. Physical Education Activities. | The Staff |
| Required, Sophomore year $\frac{1}{2}$ unit. Arranged. | |
| 54a-54b. Physical Education Activities. | The Staff |
| Required of Sophomores not taking military. Sophomore year. $\frac{1}{2}$ unit. Arranged. | |
| 105a-105b. Physical Education Activities. | The Staff |
| Required, Junior year. $\frac{1}{2}$ unit. Arranged. | |
| 107a-107b. Physical Education Activities. | The Staff |
| Required, Senior year. $\frac{1}{2}$ unit. Arranged. | |
| 191a-191b. Technique of Teaching Physical Education. | The Staff |
| This course is devoted mainly to methods in teaching and supervising athletics. Open to Seniors only. 2 units. Arranged. | |

WOMEN

A medical and physical examination is given all entering students with subsequent posture tests. Physical activities are allowed or prescribed as the result of these examinations. Participation in 1a-11b is required for the Freshman year. Students may have freedom of election in other activities in so far as medical and physical examinations warrant, but must include during the Freshman and Sophomore years one individual sport, one team or group sport and one term of either tap, folk, or natural dancing. The passing of a swimming achievement test is required for graduation. It should be completed by the end of the Sophomore year.

ACTIVITY

Six units of Physical Education Activities are required for graduation. One unit is credited for 11, Fundamentals, a special course organized in such a fashion as to include the basic fundamentals of physical activity. The remaining 5 units may be earned by participation in any of the following activities:

Individual Sports	Team Sports	Dancing	Gymnastics
Archery	Basketball	Rhythmics	Danish
Badminton	Baseball	Creative	Individual
Golf	Hockey	Tap	
Riding	Speedball	Folk	
Riflery	Volleyball		
Swimming			
Tennis			
Recreational Games			

11b. Fundamentals.	The Staff
Required, Freshman year. $\frac{1}{2}$ unit. Arranged.	
12b. Sports and Dancing.	The Staff
Required, Freshman year. $\frac{1}{2}$ unit. Arranged.	
63b. Fundamentals, Sports or Dancing.	The Staff
Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.	
64b. Fundamentals, Sports or Dancing.	The Staff
Required, Sophomore year. $\frac{1}{2}$ unit. Arranged.	
115b. Fundamentals, Sports or Dancing.	The Staff
Required, Junior year. $\frac{1}{2}$ unit. Arranged.	
117b. Fundamentals, Sports or Dancing.	The Staff
Required, Senior year. $\frac{1}{2}$ unit. Arranged.	

THEORY

119a-119b. Methods in Coaching and Supervising Sports.

The St

2 units Fall and Spring terms. Arranged.

A non-credit Counselor Training Camp is held each year immediately following Commencement. This course aims to provide experience in camp and other types of recreational leadership.

Physics

Majors in physics will plan to complete four years of mathematics to establish a solid foundation in chemistry and descriptive geometry and acquire a reading knowledge of French and German.

1a-1b. Introduction to Physical Science.

Mr. Tileston

A non-mathematical course intended for those who wish to obtain a knowledge of the fundamental facts, theories and application of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the discrete structure of electricity and matter. Fee, \$5.00 each term. MWF, 10.

51a-51b. General Physics.

Mr. Tileston

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. MWF, 8.

52a-52b. Physical Measurements.

Mr. Tileston

Quantitative laboratory work in the subjects indicated in Course 51. Must accompany 51. 1 unit. Laboratory fee, \$3.00. W 1:15-4:15.

109. Slide Rule and Precision of Measurements.

A study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics 51, 52. Fall term. Fee \$3.00. MWF, 9. (Omitted in 1944-45.)

110. Engineering Thermodynamics.

A course dealing with the principles of thermodynamics and heat

transfer, presented from the engineering viewpoint. The first and second laws of thermodynamics will be emphasized with applications to the properties of liquids, vapors and gases. Prerequisite: Calculus and Physics 51, 52. (Omitted in 1944-45.)

a-111b. Electricity and Magnetism. Mr. Tileston
A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics 51, 52. MWF, 11.

a-113b. Mechanics. Mr. Harrold
Kinematics and dynamics of motion. Study of forces and their relation to motion. Concepts of work, power, momentum, impulse. Centers of mass, moments of inertia, products of inertia. Statics and the equilibrium of particles, rigid bodies and framed structures with special emphasis on engineering applications. Prerequisite: Calculus. Arranged.

a-151b. Electrical Measurements. Mr. Tileston
Laboratory in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacity. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics 111 preceding or accompanying this course. 1 unit. Laboratory fee, \$4.00. M, 1:15-4:15.

a-153b. Optics.
The fundamental laws of geometrical and physical optics, the wave theory of light, interference, diffraction, polarization, electromagnetic theory of light, reflection and refraction, dispersion, magneto-optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics 51, 52 and Calculus. TThS, 10. (Omitted in 1944-45.)

a-154b. Optical Measurements.
Quantitative verification of the laws of geometrical and physical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to the work in spectroscopy. Laboratory to accompany 153. 1 unit. Laboratory fee, \$4.00. F, 1:15-4:15. (Omitted in 1944-45.)

a-191b. Mathematical Physics.
Atomic physics and mathematical physics presented by the departments of mathematics and physics. Prerequisite: Calculus and

major work in a physical science. 2 units. Arranged. (Omitted in 1944-45.)

Claremont Colleges Graduate School announces that graduate courses in physics at the California Institute of Technology in Pasadena are available (with the consent of the instructor) to properly qualified students in the Claremont Colleges Graduate School, upon recommendation of the student's adviser.

Psychology

The departmental requirement for a "major" in psychology consists of 24 semester hours, which must include courses 54a, 54b. The student is also expected to have some knowledge of biology, physiology and the elements of statistical method.

51a,b, 53a,b, or 52 is prerequisite to all further courses in the department. Courses numbered 100 to 149 may be taken concurrently with 51b or 53b.

51a, 51b. Introduction to Psychology. Mr. Ellis and Miss Jarman. Fundamental facts and principles of consciousness and behavior. The relation of the nervous system to mental processes and activities. Practical applications in various fields. Three sections. MWF, 11; TThS, 10.

52. Elements of Psychology. Similar to 51a, 51b. Spring term. 4 units. MWF, 11 and F, 12. (Omitted in 1944-45.)

53a, 53b. Introduction to Psychology. Mr. Ellis and Miss Jarman. Similar to 51a, 51b except that there are two lectures and one hour laboratory period. Notes are written up outside of laboratory time. Laboratory fee, \$1.50 each term. Three lecture sections. MW, 11, TTh, 10, WF, 10. Laboratory periods, TWTh or 1:15-3:05.

54a, 54b. Laboratory Psychology. Mr. Ellis. The laboratory work in 53a, 53b above may be taken by those who have taken or are taking 51a, 51b or the equivalent. Required for psychology majors. 1 unit. Same periods and fee as for 53a, 53b.

103. Individual Differences. Mr. Ellis. A study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex and race.

ferences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields are considered briefly. Fall term. MWF, 9.

6. Problems of Physical Research.

The mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include hyperesthesia, automatism, illusions and hallucinations, hypnotism, contemporary occultism and spiritualism. Spring term. MWF, 11. (Omitted in 1944-45.)

7. Educational Psychology.

Mr. Sanders

Practical applications of psychology to education. The nature of the learner; intelligence and motivation; principal features of the learning process. Fall term. TThS, 9.

8. Child Psychology.

Mr. Ellis

An intensive survey of physical and mental growth and development. Particular attention will be given to methods of child training and to the hygiene of growth. Spring term. MWF, 9.

8. Experimental Psychology.

Miss James

Lectures and discussions of the principles of scientific method used in psychological investigations. Leading experiments in the history of psychology. Fall term. TTh, 8 and arranged.

2. Personality.

Miss James

Physical basis; types, traits, and methods of measurement; development of social attitudes and character. Fall term. TThS, 10.

4. Social Psychology.

Miss James

Mental processes underlying social order and progress; collective forms of behavior. Spring term. TThS, 10.

6. Mental Tests.

Miss James

A study of the principles and methods of mental testing with special emphasis upon the method of giving the Stanford Revision of the Binet Tests. Spring term. TTh, 8, and arranged.

1, 192. Advanced Psychology.

Staff

Reading course. Permission of instructor required for registration. This course consists of assigned reading and the preparation and oral presentation of essays. The subjects included depend in part upon the interest of the student. Arranged.

Available at Scripps College

IV-10. Growth and Development of the Child.

First semester course. Prerequisite: Elementary psychology
MWF, 10.

IV-11. Psychology of Personality Adjustment.

Second semester course. Prerequisite: Elementary psychology
MWF, 10.

IV-12. Child Study in the Nursery School.

Mrs. Jones

Year course. Prerequisite: Child Psychology or Growth and Development of the Child. MW, 2:15 and arranged.

IV-14. Nursery School Theory and Practice.

Mrs. Jones

Year course. MW, 3:15-4:05 and arranged hours in the Nursery School.

V-19. Physiological Psychology.

Mr. Cast

Year course. Permission of instructor necessary for registration
TThS, 8.

Graduate work in various aspects and applications of psychology offered under the auspices of Claremont Colleges.

Public Address

The courses offered in the department of Public Address are intended primarily to meet the needs of students who do not plan to enter a field of speech professionally. Throughout all the courses emphasis is therefore centered on training that has proved its value as preparation for meeting such speech situations as anyone is likely to encounter. Students who are looking forward to careers that require special discipline in speech will, however, find in the work here offered adequate foundations for advanced study.

52a, 52b. Fundamentals of Public Address.

Mr. Scott

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment to specific audiences. 2 units. MW, 9.

53a, 53b. Principles of Interpretative Reading.

Mr. Scott

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary types. 2 units. TTh, 10.

55b. Argumentation and Debate. Mr. Scott
Study of the principles of argumentation and practical application of these principles in class debates. Debate subjects for the year analyzed and debated. 2 units. MW, 10.

a, 131b. Advanced Public Address. Mr. Scott
Training in the construction and delivery of formal addresses. Prerequisite: Public Address 52 or equivalent. 2 units. TTh, 9.

a, 134b. Reading of Dramatic Literature. Mr. Scott
Intensive study of a limited number of standard plays, with emphasis on dramatic values in character and plot. Interpretative reading of these plays in class. Recital programs before the class. Prerequisite: Public Address 53 or equivalent. 2 units. MW, 11.

Religion

The department of Religion has designed its offerings especially for general student, seeking understanding of religion as a social force in history and in the contemporary scene, and orientation in a personal philosophy of life. Concentration in the department is available, however, either in the field of Philosophy of Religion, or in some course of religious history. If the former is selected, certain courses in Philosophy may be offered toward the required work, with the permission of the instructor. In the event that the problem is historical, the student is advised to take History 1a-1b as part of the preparatory work.

Great Personalities in Religious History. Mr. Meland
A biographical study of significant personalities in religious cultures with special emphasis upon the religious heritage of Egyptian, Hebrew, Zoroastrian, and Greek influence, underlying the Christian civilization. The course will conclude with the life of Jesus. Fall term. 2 units. TTh, 10.

Great Personalities in Christian History. Mr. Meland
A biographical study of Christian civilization from the first century to modern times. Following an introductory survey of the rise of Christianity, the story of the making of the Christian culture in Europe is related through a study of the theologians, saints, philosophers, poets, artists, scientists, and musicians who shaped its development. The personalities studied include: Augustine, Francis of Assisi, Thomas Aquinas, Dante, Leonardo da Vinci, Michelangelo, Luther, Calvin, Galileo, Bach, and Milton. Spring term. 2 units. TTh, 10.

55. The English Bible.

Mr. Nichol

A course designed for the general student, seeking an understanding of the literature of the Bible, and some appreciation of its wide human values in ancient and modern times. After a brief inquiry into the story of how the Bible grew, study is made of the great selections that have influenced mankind and which have shaped our own literary and religious heritage. Fall term. MWF, 8.

101a, 101b. Philosophy of Religion.

Mr. Melan

A course for the general student, aiming to clarify problems of religion that confront the modern mind. During the first semester attempt is made to analyze the modern man's difficulties in achieving a religious understanding of life. Study is made of what the physical and social sciences have done to the intellectual foundations of Christian orthodoxy. Following this inquiry consideration is given to modern attempts to restore a sense of religious values. Here the contributions of all types of creative thinkers are consulted, including those of modern poets, novelists and symphony writers as well as theologians and philosophers. The course concludes with a systematic study of representative types of American philosophies of religion. TTh, 9, with third hour to be arranged.

102. Psychology of Religion.

Mr. Melan

A course designed to enable the student to work toward a practical philosophy of living in terms consonant with the insights of modern psychology and mental hygiene and with the world-view of modern culture. (Omitted in 1944-45.)

103a, 103b. Religions of the Far East.

Mr. Melan

A study of the living religions of the orient, including Hinduism, Buddhism, Confucianism, Taoism, and Shinto. The religion of Islam is also examined. Following a study of the traditions and customs of these religious cultures, attention is given to the present situation in world religions. MWF, 10. (Omitted in 1944-45.)

150a, 150b. Christianity and Post-War Problems.

Mr. Melan

This course undertakes to explore the present religious situation in modern nations with particular reference to conditions created by the war and to developments within those nations now shaping the post-war world. Special attention is given in the first semester to such inquiries as: Why modern cultures like Russia and Germany have been uprooting religion. Has Russia returned to Christian status? Is Christianity in retreat from modern culture? The second semester examines current thinking upon issues of the post-war world in the light of Christian values such as

Proposals for Peace; Relief and Rehabilitation; and Emerging Plans for Reconstruction. Open to Juniors and Seniors. MW, 10. Third hour an evening meeting to be arranged.

151b. Current Religious Literature. Mr. Meland
Significant modern works which are influencing present-day religious thinking in Europe and America will be read and discussed. Open to Juniors and Seniors. Evening meeting, to be arranged.

Available at Scripps College

10. Great Religious Personalities. Mr. Hogue
Year course. Not open to those who have had or are taking Religion 5 or 6. TTh, 8, and arranged hour.

Romance Languages and Literatures

A student planning to concentrate in a Romance language should, if possible, have begun his study of that language before entering college. Preparatory work in some other foreign language is also a distinct advantage. Concentration in a Romance Language and Literature is designed to provide: first, a broad general knowledge of the language, literature and civilization of the student's special interest; and second, a considerable knowledge, represented by not less than two years of college work, in at least one other language of the Romance group.

Eighteen to twenty-four hours of work in courses numbered over 100 are required, in which at least a B average must be maintained. For a student desirous of doing more specialized work than is possible under the regularly scheduled offerings, the Honors plan presents additional opportunity. At the end of the senior year a comprehensive examination is required.

French

The student whose major interest is outside the Romance Languages should note that many departments either require or recommend a reading knowledge of French of their major students.

13b. Elementary. Miss Marburg
Essentials of grammar; drill in pronunciation, speaking and writing. Introductory readings from carefully graded modern texts. Outside reading assignments adapted to the needs and interests of the individual student. Completion of this course admits to the advanced courses in the department. 5 units. MWF, 11; TTh, 1:15.

51a-51b. Intermediate.

Miss Wagr

A course designed for those students who have completed 2 years of high school French, or a three-unit year course in college. Grammar review; extensive reading of modern French texts; outside reading assignments. TThS, 10.

103a-103b. Literature of the 19th Century.

Miss Marbu

Survey of the outstanding dramatists, novelists and poets, from the romantic period to the end of the century. MWF, 10.

111a-111b. Composition and Conversation.

Miss Marbu

Intensive drill in written and oral expression; conversation on assigned topics, special stress on the acquisition of a correct pronunciation and intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. TThS, 9.

121a, 121b. French-Canadian Literature.

Miss Wagr

Historical background, folklore, art, poetry, literature of French Canada as seen in its novels, plays, essays, and poems. All reading material is in French. Discussions will be a combination of French and English. This course should be of special interest to students of American culture. MWF, 11.

153a-153b. Literature of the 17th Century.

Miss Marbu

An intensive study of the great masterpieces of the French classical age, supplemented by lectures and reading assignments on the historical background. MWF, 9. (Omitted in 1944-45.)

157a, 157b. Contemporary French Literature.

Miss Marbu

Class study of outstanding works in the fields of the novel, drama and poetry; supplemented by individual reports on outside readings. Alternates with 153a-153b. MWF, 9.

167a-167b. Survey of French Literature.

Miss Marbu

A reading program for advanced students to acquaint them with important periods of French literature not presented in other departmental offerings. Lectures, discussions, oral and written reports. Permission to enroll in this course must be obtained from the instructor. Arranged.

Available at Scripps College

I-20. Survey of French Civilization and Literature.

Mrs. Gle

Year course. TTh, 8, and arranged.

I-23. French Literature of the Periods of Classicism and Enlightenment.

Mrs. Gle

Year course. Arranged.

Italian

51b. Elementary.

Mr. Crowell

A rapid survey of the grammar with special emphasis on the pronunciation. Extensive reading of modern prose. A thorough grounding in French, Spanish, or Latin is strongly recommended. MWF, 2:15. (Omitted in 1944-45.)

Spanish

For concentration see page 131 under Romance Languages and Literatures. For students expecting to engage in Inter-American relations, either cultural or commercial, a knowledge of Spanish is essential.

13b. Elementary.

Miss Husson and Miss Brenes

Fall term: Essentials of grammar; pronunciation, conversation, dictation; readings from easy modern texts. Spring term: Continued drill in grammar; extensive reading of more advanced texts; conversation. This course is normally followed by Spanish 105. 5 units. Two sections. MWF, 11; TTh, 8. TThS, 10; WF, 8.

71b. Intermediate.

Miss Husson

A course designed for those students who have completed two years of high school Spanish, or a three-unit year course in college. Conducted in Spanish as far as possible. Grammar review; extensive reading of modern texts. Not open to students who have completed Spanish 13. MWF, 10.

a-105b. Composition, Conversation, Reading.

Miss Husson and Miss Brenes

A course primarily designed to follow Spanish 13. Advanced grammar; conversation; extensive reading of modern texts. Two sections, TThS, 9.

. Modern Spanish Theater.

Miss Husson

Study of the works of the leading Spanish playwrights from 1800 to the present time. Reading by the entire class of certain plays; reports on individual outside readings. Conducted in Spanish. Fall term. TThS, 10.

. Modern Spanish Novel.

Miss Husson

Study of the principal Spanish prose works from 1800 to the present time with emphasis on the novel. Extensive outside readings; written reports. Conducted in Spanish. Spring term. TThS, 10.

a-151b. Advanced Conversation.

Miss Brenes

A course conducted entirely in Spanish and aimed at developing

in the student the ability to speak fluently and correctly, and understand spoken Spanish delivered at a normal native speed. Open to students who have completed Spanish 105 or equivalent. MWF, 9.

- 171a, 171b. Spanish Literature from 1140 to 1650. Miss Brennan. Readings from selected masterpieces from earliest times through the Golden Age. Conducted in Spanish. Fall term: Poema del mío Cid, El libro de buen amor, La Celestina, Los romances. La novela. Spring term: Cervantes, readings from the Quijote and Novelas ejemplares; some typical dramas of Lope de Vega, Ruiz de Alarcón, Tirso de Molina, Calderón de la Barca. MW 11.

- 175a, 175b. Spanish American Literature. Mr. Crowl. Class study of outstanding literary works of Hispanic America. Extensive outside readings; individual reports. TTh, 2:15-3:30. (Omitted in 1944-45.)
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In the Romance field the graduate seminars offered under the Claremont Colleges plan center on the following periods of literature:

- French: 16th Century, 19th Century,
Contemporary Period.
Spanish: Contemporary Period.

Sociology

The concentration program for this department is outlined on page 74.

1. Social Origins. Mr. Balch. A study of the earliest known development of man and human culture. The biological emergence of man from subhuman forms traced briefly. The growth of culture from Stone Age to Iron Age, and the rise of such culture patterns and institutions as language, the family, private property, religion, the state, music, art, etc. Open to Freshmen and Sophomores only. Fall term. MWF, 10.
2. Comparative Cultures. Mr. Balch. Certain cultures are selected from each of three levels: primitive, ancient civilization, modern civilization. These are analyzed and compared as to basic customs, traditions, and philosophies of life involving folklore and proverbs, religious beliefs, economic activities.

and organization, political or group control, marriage and family forms, types of recreation, and extent of cultural self-sufficiency. Prerequisite: 1, or special permission of instructor. Open to Freshmen and Sophomores only. Spring term. MWF, 10.

51b. Elements of Sociology. Mr. Kirk
An introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop a critical, comparative, and constructive attitude toward war and post-war social problems. Application of sociological principles to modern social problems, such as race prejudice and movements of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure time activities. TThS, 9, 10.

. Criminology. Mr. Kirk
The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. Fall term. MWF, 10.

Labor Problems. Mr. Kirk
A survey of labor problems and causes of industrial unrest, collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial peace, problems of post-war reconstruction. Spring term. MWF, 10.

. Marriage and the Family. Mr. Baber
Factors involved in mate selection and the complex husband-wife and parent-child relationships. Difficulties of adjusting marriage and family patterns to our rapidly changing culture. Analysis of the factors promoting family disorganization, as well as measures seeking to conserve the socially valuable functions of family life. No previous work in Sociology required, but open to Juniors and Seniors only. Fall term. Two sections. MWF, 8, 1:15.

. Race Relations. Mr. Baber
Concepts of race and culture. The nature of race contact, and the development of race consciousness and patterns of conflict in the struggle for status. The experience of several nations with racial minorities (from racial purism to amalgamation), with emphasis on American experience with Negroes, Mexicans, and Orientals. Particular attention is given to the racial issues, both here and abroad, that have been intensified by the present war. Spring term. MWF, 1:15.

152. Social Control.

Mr. Bal

An analysis of human nature and its social origin. The growth of our social heritage through social change, with its rapid acceleration in modern times making social control increasingly difficult. How society develops and maintains social patterns for the control of conduct through law, public opinion, education, religion, rewards, and similar agencies, and the degree to which these attempts are successful. Special aspects of control in war time. Spring term. MWF, 8.

153. Theories of Social Reform.

Mr. K

A study of various proposals for social reconstruction including The Utopians, Marxian Socialism, Fabian Socialism, Syndicalism and Anarchy. An investigation of contemporary experiments in social reorganization: The British Labor Movement, The Fascist Regime, Soviet Russia and the Cooperative Movement in Europe, India, and America. Fall term. MWF, 9.

154. Contemporary Sociological Thought.

Mr. K

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation. A survey of the leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Spring term. MWF, 9.

191a-191b. Advanced Studies in Sociology.

Mr. Kirk and Mr. Bal

Research in social problems and agencies. Various techniques which have been developed in sociological research will be used in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the definite limitations of the several tools of research. Open only to Seniors. Arranged.

Additional Courses Available at Scripps College

3. Library Techniques. Miss Drake
Year course, carrying 2 units credit for whole year. TTh, 4:15.
Permission of instructor necessary.
4. Printing. Mr. Ritchie
Year course, carrying 2 units credit for whole year. S, 9-11.
Permission necessary. Not open to those having had Art 61b
or 105b.
5. Progress and Meaning of the Sciences. Miss Smith
Year course. MWF, 11. Prerequisite two years of college science.

STUDENT STATISTICS

Civilian Students in Residence, 1943-44

		Fall Term	Spring Term
Seniors	men	15	18
	women	70	67
Juniors	men	14	10
	women	97	83
Sophomores	men	18	12
	women	114	98
Freshmen	men	50	35
	women	126	134
Specials	men	5	3
	women	6	4
		515	464

At the end of the fall term there were in residence 464 students, at the end of the spring term, 449. Figures for similar periods in 1942-43 were 792 and 696.

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February 1, 1944

Army Air Forces	
Basic Premeteorology	173
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Total	449

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KEY TO BUILDINGS

PERMANENT



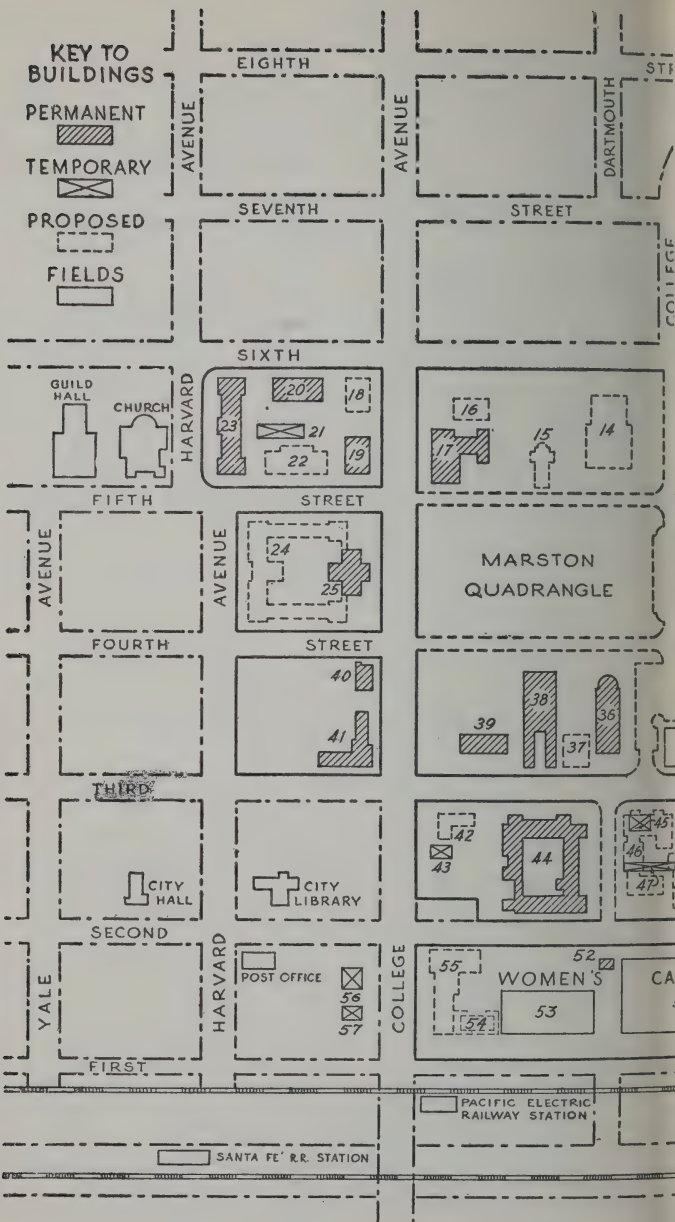
TEMPORARY



PROPOSED



FIELDS



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PERMANENT

3. Eli P. Clark Hall
5. Eli P. Clark Hall and Frary Hall
8. Tennis Courts
9. Alumni Athletic Fields
10. Training Quarters
11. Swimming Pool
13. Smiley Hall
14. Student Building

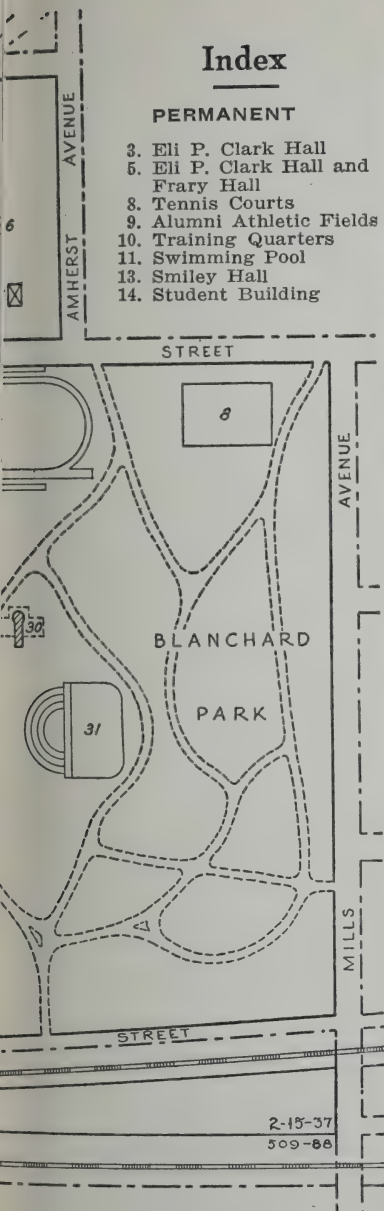
17. Holmes Hall
19. Pearsons Hall
20. Crookshank Hall
23. Mason Hall
25. Library
26. Bridges Auditorium
29. Volley Ball Court
- 29-A. Baseball Field
30. Brackett Observatory
31. Open-Air Theater
32. Hockey Field
33. Tennis Courts
35. Tennis Courts
36. Sumner Hall
38. Bridges Hall
39. Rembrandt Hall
40. President's House
41. Claremont Inn
44. Harwood Court
49. Florence Carrier Blaisdell Hall
51. Women's Playing Field
52. Field House
53. Women's Playing Field
58. Heating Plant

TEMPORARY

6. Garages
7. College Shops
21. Harwood Hall
27. Little Gymnasium
28. Big Gymnasium
43. Baldwin House
45. Kenyon House
47. Garages
50. Brackett House
56. Haddon Hall
57. Denison House

PROPOSED

1. Dean's House
2. Men's Dormitory
4. Browsing Room and Lounge
12. Men's Gymnasium
15. Chapel
16. Dramatic Studio
18. Botany Building
22. Physics Building
24. Addition to Library
30. Brackett Observatory
34. Museum of Pomoniana
37. Music Annex
42. Residence for Dean of Women
46. Women's Dormitory
48. Women's Dining Hall
54. Pool
55. Women's Gymnasium



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